AES/EPA -015

AES Puerto Rico
PO Box 1890
Guayama, PR 00785
tel 787 866 8117
fax 787 866 8139
www.aespuertorico.com

January 14, 2016

Chief, Multimedia Permits and Compliance Branch
Caribbean Environmental Protection Division
U.S. Environmental Protection Agency, Region 2
City View Plaza II, Suite 7000
48 RD. 165 Km. 1.2
Guaynabo, Puerto Rico 00968-8069

RE: Administrative Order on Consent Docket Number CWA-02-2015-3102 – Compliance with AOC Section VII, ¶77 Q-4 Report

Dear Jose:

On March 18, 2015 AES Puerto Rico LP ("AES-PR") and the United States Environmental Protection Agency ("EPA") entered into the above referenced Administrative Order on Consent ("AOC"), under which AES-PR is obligated to comply with certain requirements (AOC Section VII, Ordered Provisions). All capitalized terms in this letter shall have the meaning as defined in the AOC.

Under AOC Section VII ¶77, Until Termination of this Order, Respondent shall prepare and submit Quarterly Progress Reports (QPR) that describe the current status and progress of Respondent's actions taken to comply with the provisions of this Order.

In compliance with the new AOC requirement, AES-PR hereby submits the required QPR for Q-4 2015 as an attachment to this letter.

We respectfully ask EPA to advise AES-PR promptly, should the agency have any concerns with this submission. Should AES-PR not receive any timely comments from EPA, we will reasonably consider that EPA has agreed that AES-PR has satisfied this requirement of AOC Section VII, ¶77 in full. Should EPA require additional time to review and provide comments back to AES-PR, that review time is of course entirely beyond the control of AES-PR and should be added to the required time frame for AES-PR to comply with this requirement.

Regards,

Manuel Mata
President AES Puerto Rico
Attachments

Quarterly Progress Report (QPR) No. 4

Administrative Compliance Order
AES-PR Coal Fired Power Plant
Docket Number CWA-02-2015-3102

January 14, 2015

AES Puerto Rico, LP (AES-PR) is hereby submitting to the United States Protection Agency (USEPA) this Quarterly Progress Report (QPR) in accordance with Provision 77 of the Administrative Compliance Order (ACO), Docket Number CWA-02-2015-3102.

Milestones and Activities

This reporting period covers the actions taken from **October 1, 2015 to December 31, 2015**. During this reporting period AES-PR completed a number of actions towards meeting the Provisions of this ACO, including:

1- **<u>Ordered Provision 68</u> - Upon the Effective Date of this Order and for a period of one year, Respondent shall conduct benchmark monitoring and analyze samples according to Part 6.1.3 (measurable storm event), Part 6.1.4 (sample type), Part 6.1.5 (adverse weather condition), Part 6.1.7 (monitoring periods), Part 6.2.1.1 (applicability of benchmark monitoring), Part 6.2.1.2 (benchmark monitoring schedule), Part 8.O.7 (sector-specific benchmark for steam electric power generating facilities) and Part 8.Q.6 (sector-specific for water transportation) of the MSGP. Also, Respondent shall:**

a. monitor at least once at the permanent sampling points 001, 002, and 003 (SP-001, SP-002, and SP-003, respectively) in each of the following 3-month intervals: January 1 – March 31; April 1 – June 30; July 1 – September 30; and October 1 – December 31;

b. analyze the samples for total aluminum, total iron, total lead and total zinc;

c. document monitoring activities and laboratory reports for each sampling point; and

d. prepare MDMR forms within thirty (30) days of receiving the laboratory results. Respondent shall use the MDMR available at the EPA's web site at http://water.epa.gov/polwaste/npdes/stormwater/.

AES-PR personnel monitored permanent sampling points 001, 002, and 003 during **October 1 – December 31, 2015**. Samples were analyzed for total aluminum, total iron, total lead and total zinc. Laboratory reports for sampling point 003 were received on December 18, 2015. Reports for sampling points 002 and 001 were received on December 28, 2015 and December 31, 2015, respectively. Monitoring activities were documented and MDMR form for Q4 2015 was submitted to USEPA via electronic form on **January 15, 2016 (Attachment 1)**.

2- **<u>Ordered Provision 72</u> - Within sixty days (90) calendar days of the Effective Date of this Order, Respondent shall prepare and submit a detailed Plan of Action (POA), for EPA review and approval, and subsequent implementation by Respondent, which shall include at a minimum:**

a. a review and revision of the selection, design, installation, and implementation of Respondent's control measures in accordance with Part 3 of the MSGP;

b. a description of each action to be taken to comply with Part 3.2 (Conditions Requiring Review to Determine if Modifications Are Necessary) and Part 6.2.1.2 (Benchmark Monitoring Schedule) of the MSGP, which requires Respondent to review the selection, design, installation, and implementation of control measures to determine if modifications are necessary to meet the effluent limits in the MSGP. Specifically, Respondent shall perform this review for aluminum and iron; and

c. a plan for the minimization and control of dust (including fugitive dust) from coal combustion residuals and/or Agremax^{Tm} at the Facility and during transport (hereinafter, the "Dust Control Plan"). The Dust Control Plan shall include site management procedures such as wetting the Agremax^{Tm} storage pile at the Facility to ensure compliance with applicable MSGP requirements relating to dust control, and an implementation schedule.

The POA submitted to EPA on June 8, 2015 has been implemented. The Dust Control Plan was evaluated by the plant dust control site coordinators to assure compliance with applicable MSGP requirements.

3- Additional Actions Taken

AES-PR has prepared and is hereby submitting an Annual Comprehensive Site Report covering compliance activities completed during the past calendar year (**Attachment 2**). It includes visual inspections and monitoring activities conducted for all plant storm water outfalls. Inspection results were documented and records kept with the Stormwater Pollution Prevention Plan. Routine site inspection and corrective actions for O**ctober 1, 2015 to December 31, 2015** period were completed, documented and being submitted with this report.

4- Activities for Next Reporting Period

During the next reporting period, AES will continue conducting benchmark monitoring and sampling as required in AOC provision 68.

Administrative Order on Consent
AES Puerto Rico Coal Fired Power Plant
Docket Number CWA-02-2015-3102
NPDES Tracking Number PRU020663

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Manuel Mata
President AES Puerto Rico

January 14/2016
Date

ATTACHMENT 1

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
MSGP INDUSTRIAL DISCHARGE MONITORING REPORT (MDMR)

Form Approved.
OMB No. 2040-0004

Reason(s) for Submission (Check all that apply):

- ☑ Submitting monitoring data (Fill in all Sections).
- ☐ Reporting no discharge for all outfalls for this monitoring period (Fill in Sections A, B, C.1, D, and F).
- ☐ Reporting that your site status has changed to inactive and unstaffed (Fill in Sections A, B, F and include date of status change in comment field in Section E.4).
- ☐ Reporting that your site status has changed to active (Fill in all Sections and include date of status change in comment field in Section E.4).
- ☐ Reporting that no further pollutant reductions are achievable for all outfalls and for all pollutants via Part 6.2.1.2 of the MSGP (Fill in Sections A, B and F).

A. Permit Tracking Number: PRR05BL65

Note: Read instructions before completing this Form.

B. Facility Information

1. Facility Name: AES PUERTO RICO

2. Facility Location:

a. Street: PR-03 KM 142.0 BO. JOBOS

b. City: GUAYAMA c. State: PR d. Zip Code: 00785-

3. Additional Facility Information (Optional):

Contact Name: MANUEL MATA Email: manuel.mata@aes.com

Phone: 787-866-8117 Ext. 2233

4. MDMR Preparer (Complete if MDMR was prepared by someone other than the person signing the certification in Section F)

Prepared by: HECTOR M AVILA

Organization: AES PUERTO RICO

Email: hector.avila@aes.com

Phone: 787-866-8117 Ext. 2215

C. Discharge Information

1. Identify monitoring period: ☑ Check here if proposing alternative monitoring periods due to irregular stormwater runoff. Identify alternative monitoring schedule and indicate for which alternative monitoring period you are reporting monitoring data:

☐ Quarter 1 (April 1 – June 30)	☐ Quarter 1:	From	01/01	To	03/31
☐ Quarter 2 (July 1 – September 30)	☐ Quarter 2	From	04/01	To	06/30
☐ Quarter 3 (October 1 – December 31)	☐ Quarter 3	From	07/01	To	09/30
☐ Quarter 4 (January 1 – March 31)	☑ Quarter 4	From	10/01	To	12/31

2. Are you required to monitor for cadmium, copper, chromium, lead, nickel, silver or zinc? ☑ Yes (Complete line item 2.a.) ☐ No (Skip to Section D)

2a. What is the hardness level of the receiving water? 6800 mg/L

D. Outfall Information

1. How many outfall(s) are identified in your SWPPP? 03 List name of outfall(s) required to be monitored in table below.

2. Do any of your outfalls discharge substantially identical effluents? ☐ YES ☑ NO

2.a. If yes, for each monitored outfall, indicate outfall names that are substantially identical in table below.

3.A. Monitored Outfall Name*	3.B. Substantially Identical Outfalls [List name(s) of outfall(s) substantially identical to outfall in 3.A. (if applicable)]	3.C. No Discharge?
Outfall 001		☐
Outfall 002		☐
Outfall 003		☐
		☐
		☐

*Reference attachment if additional space needed to complete the table.

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
MSGP INDUSTRIAL DISCHARGE MONITORING REPORT (MDMR)

Form Approved. OMB No. 2040-0004

E. Monitoring Information

Note: Make additional copies of this form as necessary.

1. Permit Tracking Number: PRR05BL65

2. Nature of Discharge: ☑ Rainfall (Complete line items 2.a., 2.b., & 2.c.) ☐ Snowmelt

2.a. Duration of the rainfall event (hours): 01 2.b. Rainfall amount (inches) 00.4 2.c. Time since previous measurable storm event (days) 001

3.a. Outfall Name	3.b. Monitoring Type (QBM, ELG, S/T, I, O)*	3.c. Parameter	3.d. Quality or Concentration	3.e. Units	3.f. Results Description	3.g. Collection Date	3.h. Exceedance due to natural background pollutant levels	3.i. No further pollutant reductions achievable?
001	QMB	Aluminum	0.496	mg/L		11/08/15	☐	☐
001	QMB	Iron	0.232	mg/L		11/08/15	☐	☐
001	QMB	Lead	0.002	mg/L		11/08/15	☐	☐
001	QMB	Zinc	0.024	mg/L		11/08/15	☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐

* (QBM) - Quarterly benchmark monitoring; (ELG) - Annual effluent limitations guidelines monitoring; (S/T) - State- or Tribal-specific monitoring; (I) - Impaired waters monitoring; (O) -Other monitoring as required by EPA

4. Comment and/or Explanation of Any Violations (Reference all attachments here)

F. Certification

Hector M. Avila	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		1/15/16
Typed or Printed Name/Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	Date

Email of Principal Executive Officer or Authorized Agent: hector.avila@aes.com

Instructions for Completing the MSGP Industrial Discharge Monitoring Report (MDMR)

Who Must Submit A Discharge Monitoring Report to EPA?

Facilities covered under the Multi-Sector General Permit (MSGP or permit) that are required to monitor pursuant to Parts 6.2, 6.3, and 8 of the permit must submit the MSGP Discharge Monitoring Report (MDMR) consistent with the reporting requirements specified in Part 7.1 of the permit.

Where to File the MDMR Form

Monitoring data collected pursuant to Parts 6.2, 6.3, and 8 of the permit must be submitted electronically via EPA's Electronic Notice of Intent System (eNOI), which can be found at www.epa.gov/npdes/enoi. Filing electronically will allow permittees to easily submit the results of monitoring data to EPA. If you cannot access eNOI, monitoring results must be reported on the paper MDMR form and sent to one of the following addresses:

Via U.S. mail:
U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Mail Code 4203M, ATTN: MSGP Reports
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

Via Overnight/Express Delivery:
U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Room 7420, ATTN: MSGP Reports
1201 Constitution Avenue, NW
Washington, D.C. 20004
Phone number: 202-564-9545

Completing the MDMR Form

To complete this form, type or print in uppercase letters in the appropriate areas only. Be sure that you complete all applicable questions. Photocopy your MDMR form for your records before you send the completed original form to the appropriate address above. Use ink when you sign and mail the original document – EPA will not accept photocopies. You may also use this paper form as a checklist for the information you will need when submitting a MDMR electronically via EPA's eNOI system.

Reasons for Submission

Indicate your reason(s) for submitting this MDMR by checking all boxes that apply. The reasons for submission are defined as follows.

- *Submitting monitoring data*: For each storm sampled, submit one MDMR form with data for all outfalls sampled. Select this reason even if you only have monitoring data for some of your outfalls (i.e., some outfalls did not discharge). If you select this reason you are required to complete all Sections of the form.
- *Reporting no discharge for all outfalls for this monitoring period*: Indicates that there were no discharges from all outfalls during this monitoring period. If you select this reason you are only required to complete Sections A, B, C.1, D, and F.
- *Reporting that your site status has changed to inactive and unstaffed*: Indicates that your facility is currently inactive and unstaffed (See Part 6.2.1.3 of the permit for more information). If you select this reason you are only required to complete Sections A, B, and F and include date of status change in the comment field in Section E.4.
- *Reporting that you site status has changed from inactive to active*: Indicates that your facility is currently active (See Part 6.2.1.3 of the permit for more information). If you select this reason you are required to complete all Sections of the form and include date of status change in the comment field in Section E.4.
- *Reporting that no further reductions are achievable for all outfalls and for all pollutants via Part 6.2.1.2 of the permit*: Indicates that your facility has determined that no further pollutant reductions are technologically and economically practicable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of the permit (See Part 6.2.1.2 of the permit for more information). If you select this reason you are required to complete Sections A, B and F. However, if you can make this finding for some outfalls and pollutants, but not for others, you cannot select this reason; you will instead be able to identify which outfalls and which pollutants you can make this finding for in Section E.

Section A. Permit Tracking Number

Enter the National Pollutant Discharge Elimination System (NPDES) tracking number assigned by EPA's Stormwater Notice Processing Center to the facility. If you do not know the tracking number, you can find the tracking number assigned to your facility on EPA's Notice of Intent (NOI) Search website (www.epa.gov/npdes/noisearch).

Section B. Facility Information

1. Enter the facility's official or legal name. Unless the name of your facility has changed, please use the same name provided on your NOI. You can use EPA's NOI Search website (www.epa.gov/npdes/noisearch) to view your NOI.

2.a-d. Enter the street address, including city, state, and zip code of the actual physical location of the facility. Do not use a P.O. Box.

3. (Optional) Identify the name, telephone number, and email address of the person who will serve as a contact for EPA on issues related to monitoring at your facility. This person should be able to answer questions related to stormwater discharges and monitoring or have immediate access to individuals with that knowledge. This person does not have to be the facility operator, but should have intimate knowledge of monitoring activities at the facility.

4. If the form was prepared by someone other than the person who is signing the certification statement in Section F (for example, if the MDMR was prepared by a member of the facility's stormwater pollution prevention team or a consultant for the certifier's signature), include the name, organization, phone number and email address of the MDMR preparer.

Section C. Discharge Information

1. Indicate the appropriate monitoring period (Quarter 1, 2, 3, or 4) covered by the MDMR. "Alternative" monitoring periods can apply to facilities located in arid and semi-arid climates, or in areas subject to snow or prolonged freezing. To use alternative monitoring periods, you must provide a revised monitoring schedule here in the first monitoring report submitted and indicate for which alternative monitoring period you are reporting monitoring data. If using alternative monitoring periods, identify the first day of the monitoring period through the last day of the monitoring period for each of the four periods. The dates should be displayed as month (Mo) / day (Day). See Parts 6.1.6 and 6.1.7 of the permit for more information.

2. If you are submitting benchmark monitoring data, identify if your facility is required to collect benchmark samples for one or more hardness-dependent metals (i.e., cadmium, copper, lead, nickel, silver, and zinc). If you select "yes" to this question you must also complete Question 2.a. and if you select "no" to this question you may skip to Section D.

2.a. If you selected "yes" for Question 2 under Section C, then you are required to submit to EPA with your first benchmark report a hardness level, established consistent with the procedures in Appendix J of the permit, which is representative of your receiving water. If your outfalls discharge to more than one receiving water, as reported in your NOI form, you should report hardness for the receiving water with the lowest hardness values. Hardness values must be reported in milligrams per liter (mg/L).

Section D. Outfall Information

1. Enter the total number of outfalls identified in your stormwater pollution prevention plan (SWPPP). Outfalls are locations where stormwater exits the facility, including pipes, ditches, swales, and other structures used to remove stormwater from the facility.

2. Indicate if your facility has two or more outfalls that you believe discharge substantially identical effluents (i.e., stormwater), based on the similarities of the general industrial activities and control measures, exposed materials that may significantly contribute pollutants to stormwater, and runoff coefficients of their drainage areas. See Parts 5.1.5.2 and 6.1.1 of the permit for more information on substantially identical outfalls.

2.a. If you selected "yes" for Question 2 under Section D, then you must list the outfall name(s) in Column 3.B. that you expect to be substantially identical to the corresponding outfall in Column 3.A.

3.A. *Monitored Outfall Name:* List name(s) of outfall(s) you are required to monitor in Column 3.A.

3.B. *Substantially Identical Outfalls:* List name(s) of outfall(s) substantially identical to "*Monitored Outfall*" in Column 3.A. (if applicable)].

3.C *No Discharge:* Check box if you are reporting "No Discharge" for the monitored outfall for the reporting period identified in Section C.1.

Example:

3.A Monitored Outfall Name	3.B. Substantially Identical Outfall	3.C. No Discharge
Outfall A	Outfall B; Outfall C	☐
Outfall D		☒

Reference attachment if additional space is needed to complete the Table Section D.

Section E. Monitoring Information

1. Enter the NPDES tracking number assigned by EPA's Stormwater Notice Processing Center to the facility reported in Section A.
2. For the reported monitoring event indicate whether the discharge was from a rainfall or snowmelt event. If you select "rainfall" then indicate the duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event in line items 2.a-c. For both rainfall and snowmelt monitoring, you must identify the date of collection for the monitoring event in column 3.g. of the table. If the discharge occurs during a period of both rainfall and snowmelt, check both the rainfall and snowmelt boxes and report the appropriate rainfall information in item 2.a-c. To report multiple monitoring events in the same reporting period, copy Page 2 of this Form and enter each monitoring event separately with data for all outfalls sampled.

For each pollutant monitored at an outfall, you must complete one row in the Table as follows:

3.a. *Outfall Name*: Provide the outfall name for which you monitored (e.g., Outfall 1, Outfall 2, Outfall 3).

3.b. *Monitoring Type*: Provide the type of monitoring using the specified codes, in parentheses, below:
- (QBM) – Quarterly benchmark monitoring
- (ELG) – Annual effluent limitations guidelines monitoring
- (S/T) – State- or Tribal-specific monitoring
- (I) – Impaired waters monitoring; or
- (O) – Other monitoring as required by EPA.

3.c. *Parameter(s)*: Enter each "Parameter" (or "pollutant") monitored. For QBM and ELG monitoring, use the same parameter name as in Part 8 of the permit.

3.d. *Quality or Concentration*: Enter sample measurement value for each parameter analyzed and required to be reported. Enter "ND" (i.e., not detected) for any sample results below the method detection limit or "BQL" (i.e., below quantitation limit) for sample results above the detection limit but below the quantitation limit.

3.e. *Units*: Enter the units for sample measurement values (i.e., "mg/L" for milligrams per liter) for each parameter analyzed and required to be reported. For monitoring results reported as ND or BQL this space will be left blank and the units will be reported in Column 3.f.

3.f. *Results Description*: This section must be completed for any monitoring results reported as ND or BQL in the "Quality or Concentration" column. For ND, report the laboratory detection level and units in this column. For BQL, report the laboratory quantitation limit and units in this column.

3.g. *Collection Date*: Identify the sampling date for each parameter monitoring result reported on this form.

3.h. *Exceedance due to natural background pollutant levels*: Check box if following the first 4 quarters of benchmark monitoring (or sooner if the exceedance is triggered by less than 4 quarters of data) you have determined that the exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background for that outfall and any substantially identical outfalls. See Part 6.2.4.2 of the permit for more information. Attach supporting rationale for your determination to the submitted MDMR and reference attachment in Section E.4.

3.i. *No further pollutant reductions achievable*: Check box if after collection of 4 quarterly samples (or sooner if the exceedance is triggered by less than 4 quarters of data), the average of the 4 monitoring values for any parameter exceeds the benchmark and you have made the determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of the permit (See Part 6.2.1. of the permit for more information) for that outfall and any substantially identical outfalls. Attach supporting rationale for your determination to the submitted MDMR and reference attachment in Section E.4.

4. Where violations of the permit requirements are reported, include a brief explanation to describe the cause and corrective actions taken, and reference each violation by date. Also, this section should include any additional comments such as are required when changing site status from inactive and unstaffed to active or vice versa. Attach additional pages if you need more space.

Attach additional copies of Section E as necessary to address all outfalls and parameters.

Section F. Certification

Enter "*Name/Title of Principal Executive Officer or Authorized Agent*" with "*Signature of Principal Executive Officer or Authorized Agent*," "*Date*" form was signed and email of the "*Principal Executive Officer or Authorized Agent.*" If you submit multiple pages of Section E monitoring data, each page must be appropriately signed and certified as described below.

Certification statement and signature (see Section B.11 in Appendix B of the permit for more information). Federal statutes provide for severe penalties for submitting false information on this reporting form. Federal regulations require this form to be signed by one of the following individuals, or a duly authorized representative of that person, as follows:

For a corporation: by a responsible corporate officer, which means:
(i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or
(ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or
For a municipal, State, Federal, or other public facility: by either a principal executive or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this certification is estimated to average 7.25 hours per response plus an additional 2 hours for respondents required to gather hardness data, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Office of Environmental Information Services, Collection Services Division (2823), USEPA, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include the OMB control number of this form on any correspondence. Do not send the completed MDMR form to this address.

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: December 31, 2015

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1504721
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED: 12/09/15

SAMPLE DATE: 12/08/15
TIME: 7:25 AM

DESCRIPTION: Stormwater 001
LAB. FILE ID: 1504721
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1504721 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.496	0.005	HS	12/28/15
Iron	200.7(ICAP)	Grab	mg/L	0.232	0.010	HS	12/28/15
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	HS	12/28/15
Zinc	200.7(ICAP)	Grab	mg/L	0.024	0.002	HS	12/28/15

*Standard Methods for the Examination of Water and Waste Water 19th Edition, 1995.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

ESTADO LIBRE ASOCIADO DE PUERTO RICO — Iris M. Chévere Alfonzo Lic. # 2370 — QUÍMICO LICENCIADO

A 1566141

Attachment: Chain of Custody Records (1)

192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABO[illegible]ORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	AES Guayama	SAMPLER	Hector Avila
SAMPLE LOCATION/CLIENT ID	Storm Water 001	TIME	7:25 (AM) PM	CONTROL NO. 184569
SAMPLE DATE	12/8/15	BEL. NO.	1504721	

1. General Environmental:	PC	VSS		PC
Acidity ( )		Alkalinity ( )		
Ammonia as N ( )		Bicarbonate ( )		
BOD-5 ( )		Bromide ( )		
Chloride ( )		Chlorine, Res. ( )		
COD ( )		Color (ADMI) ( )		
Conductivity µmhos/cm ( )		Color (Pt-Co) ( )		
Dissolved Oxygen ( )		Cyanide ( )		
Hardness ( )		Fluoride ( )		
Moisture % ( )		Iodide ( )		
Nitrite ( )		Nitrate ( )		
Oil+Grease ( )		Nitrate + Nitrite ( )		
Phenol ( )		pH, S.U. ( )		
Phosphorus, Total ( )		Phosphate, Ortho ( )		
Sett Solids mg/L ( )		Sett. Solids mL/L ( )		
Sulfate ( )		Solids, Total ( )		
Sulfite ( )		Sulfide ( )		
TDS ( )		Surfactant ( )		
Temperature, °C ( )		TSS ( )		
TOC ( )		TKN ( )		
Asbestos ( )		Turbidity ( )		
TVS ( )		Carbonate ( )		
Total Nitrogen ( )				
2. Metals:				
Aluminum (Al) (X)	L3	Cadmium (Cd) ( )		
Chromium (Cr) ( )		Copper (Cu) ( )		
Iron (Fe) (X)	L3	Lead (Pb) (X)		L3
Manganese (Mn) ( )		Mercury (Hg) ( )		
Nickel (Ni) ( )		Selenium (Se) ( )		
Silver (Ag) ( )		Tin (Sn) ( )		
Zinc (Zn) (X)	L3	Arsenic (As) ( )		
Barium (Ba) ( )		Boron (B) ( )		
Antimony (Sb) ( )		Beryllium (Be) ( )		
Bismuth (Bi) ( )		Calcium (Ca) ( )		
Chromium, VI (CrVI) ( )		Cobalt (Co) ( )		
Magnesium (Mg) ( )		Molybdenum (Mo) ( )		
Potassium (K) ( )		Silicon (Si) ( )		
Sodium (Na) ( )		Strontium (Sr) ( )		
Thallium (Tl) ( )		Titanium (Ti) ( )		
Vanadium (V) ( )		Lithium (Li) ( )		
3. RCRA/Hazardous wastes				
Ignitability (Flash Pt.) ( )		Corrosivity ( )		
Reactivity (CN & S) ( )		TCLP ( )		
RCRA Metals ( )		Organics-Pest/Herb ( )		
Organics-BNA ( )		Organics-VOA ( )		
TOX ( )				
4. Specific Organics		Phenols GC ( )		
Volatiles ( )		Semi-Volitiles (BNA) ( )		
Pesticides/PCB's ( )		PCB's Only ( )		
Herbicides ( )		TPH 418.1 ( )		
BTEX ( )		TTO ( )		
TTO & Dioxin ( )		TPH 8015 ( )		
		Lindane ( )		
5. Microbiology				
Fecal Coliform ( )		Total Coliform ( )		

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: [signature]
Date/Time: 12/9/15 10:11 am
Received by: [signature]
Date/Time: 12/9/15
Relinquished by: [signature]
Date/Time: 12/9/15 2:51 pm
Received by: [signature]
Date/Time: 12/9/15 2:51 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C	6. Sodium Hydroxide(NaOH)
2. Sulfuric Acid (H_2SO_4) pH<2	7. Zinc Acetate
3. Nitric Acid (HNO_3), pH<2	8. Ascorbic Acid
4. Hydrochloric acid (HCl)	9. FAS
5. Sodium Thiosulfate	10. Other

Sample type legend:

grab samples	x
composite samples	xx

Turnaround time:

1 day	( )
2 days	( )
3 days	( )
5 days	( )

Sampling Equipment:

Automatic Sampler	( )
Sample Pick Up	(X)

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
MSGP INDUSTRIAL DISCHARGE MONITORING REPORT (MDMR)

Form Approved.
OMB No. 2040-0004

Reason(s) for Submission (Check all that apply):

- ☑ Submitting monitoring data (Fill in all Sections).
- ☐ Reporting no discharge for all outfalls for this monitoring period (Fill in Sections A, B, C.1, D, and F).
- ☐ Reporting that your site status has changed to inactive and unstaffed (Fill in Sections A, B, F and include date of status change in comment field in Section E.4).
- ☐ Reporting that your site status has changed to active (Fill in all Sections and include date of status change in comment field in Section E.4).
- ☐ Reporting that no further pollutant reductions are achievable for all outffalls and for all pollutants via Part 6.2.1.2 of the MSGP (Fill in Sections A, B and F).

A. Permit Tracking Number: PRR05BL65

Note: Read instructions before completing this Form.

B. Facility Information

1. Facility Name: AES PUERTO RICO

2. Facility Location

a. Street: PR-03 KM 142.0 BO. JOBOS

b. City: GUAYAMA c. State: PR d. Zip Code: 00785-

3. Additional Facility Information (Optional):

Contact Name: MANUEL MATA Email: manuel.mata@aes.com

Phone: 787-866-8117 Ext. 2233

4. MDMR Preparer (Complete if MDMR was prepared by someone other than the person signing the certification in Section F)

Prepared by: PEDRO E. LABAYEN

Organization: AES PUERTO RICO

Email: pedro.labayen@aes.com

Phone: 787-866-8117 Ext. 2215

C. Discharge Information

1. Identify monitoring period: ☑ Check here if proposing alternative monitoring periods due to irregular stormwater runoff. Identify alternative monitoring schedule and indicate for which alternative monitoring period you are reporting monitoring data:

☐ Quarter 1 (April 1 – June 30)	☐ Quarter 1:	From 01/01	To 03/31
☐ Quarter 2 (July 1 – September 30)	☐ Quarter 2:	From 04/01	To 06/30
☐ Quarter 3 (October 1 – December 31)	☐ Quarter 3:	From 07/01	To 09/30
☐ Quarter 4 (January 1 – March 31)	☑ Quarter 4:	From 10/01	To 12/31

2. Are you required to monitor for cadmium, copper, chromium, lead, nickel, silver, or zinc? ☑ Yes (Complete line item 2.a.) ☐ No (Skip to Section D)

2a. What is the hardness level of the receiving water? 6800 mg/L

D. Outfall Information

1. How many outfall(s) are identified in your SWPPP? 03 List name of outfall(s) required to be monitored in table below.

2. Do any of your outfalls discharge substantially identical effluents? ☐ YES ☑ NO

2.a. If yes, for each monitored outfall, indicate outfall names that are substantially identical in table below.

3.A. Monitored Outfall Name*	3.B. Substantially Identical Outfalls [List name(s) of outfall(s) substantially identical to outfall in 3.A. (if applicable)]	3.C. No Discharge?
Outfall 001		☐
Outfall 002		☐
Outfall 003		☐
		☐
		☐

*Reference attachment if additional space needed to complete the table.

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
MSGP INDUSTRIAL DISCHARGE MONITORING REPORT (MDMR)

Form Approved. OMB No. 2040-0004

E. Monitoring Information

Note: Make additional copies of this form as necessary.

1. Permit Tracking Number: PRR05BL65

2. Nature of Discharge: ☑ Rainfall (Complete line items 2.a., 2.b., & 2.c.) ☐ Snowmelt

2.a. Duration of the rainfall event (hours): 01 2.b. Rainfall amount (inches): 00.2 2.c. Time since previous measurable storm event (days): 009

3.a. Outfall Name	3.b. Monitoring Type (QBM, ELG, S/T, I, O)*	3.c. Parameter	3.d. Quality or Concentration	3.e. Units	3.f. Results Description	3.g. Collection Date	3.h. Exceedance due to natural background pollutant levels	3.i. No further pollutant reductions achievable?
002	QMB	Aluminum	0.459	mg/L		12/16/15	☐	☐
002	QMB	Iron	0.292	mg/L		12/16/15	☐	☐
002	QMB	Lead	0.002	mg/L		12/16/15	☐	☐
002	QMB	Zinc	0.012	mg/L		12/16/15	☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐

* (QBM) - Quarterly benchmark monitoring; (ELG) - Annual effluent limitations guidelines monitoring; (S/T) - State- or Tribal-specific monitoring; (I) - Impaired waters monitoring; (O) -Other monitoring as required by EPA

4. Comment and/or Explanation of Any Violations (Reference all attachments here)

F. Certification

Typed or Printed Name/Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	Date
Hector M. Avila	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		1/15/16

Email of Principal Executive Officer or Authorized Agent: hector.avila@aes.com

Instructions for Completing the MSGP Industrial Discharge Monitoring Report (MDMR)

Who Must Submit A Discharge Monitoring Report to EPA?

Facilities covered under the Multi-Sector General Permit (MSGP or permit) that are required to monitor pursuant to Parts 6.2, 6.3, and 8 of the permit must submit the MSGP Discharge Monitoring Report (MDMR) consistent with the reporting requirements specified in Part 7.1 of the permit.

Where to File the MDMR Form

Monitoring data collected pursuant to Parts 6.2, 6.3, and 8 of the permit must be submitted electronically via EPA's Electronic Notice of Intent System (eNOI), which can be found at www.epa.gov/npdes/enoi. Filing electronically will allow permittees to easily submit the results of monitoring data to EPA. If you cannot access eNOI, monitoring results must be reported on the paper MDMR form and sent to one of the following addresses:

Via U.S. mail:
U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Mail Code 4203M, ATTN: MSGP Reports
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

Via Overnight/Express Delivery:
U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Room 7420, ATTN: MSGP Reports
1201 Constitution Avenue, NW
Washington, D.C. 20004
Phone number: 202-564-9545

Completing the MDMR Form

To complete this form, type or print in uppercase letters in the appropriate areas only. Be sure that you complete all applicable questions. Photocopy your MDMR form for your records before you send the completed original form to the appropriate address above. Use ink when you sign and mail the original document – EPA will not accept photocopies. You may also use this paper form as a checklist for the information you will need when submitting a MDMR electronically via EPA's eNOI system.

Reasons for Submission

Indicate your reason(s) for submitting this MDMR by checking all boxes that apply. The reasons for submission are defined as follows:

- *Submitting monitoring data*: For each storm sampled, submit one MDMR form with data for all outfalls sampled. Select this reason even if you only have monitoring data for some of your outfalls (i.e., some outfalls did not discharge). If you select this reason you are required to complete all Sections of the form.
- *Reporting no discharge for all outfalls for this monitoring period*: Indicates that there were no discharges from all outfalls during this monitoring period. If you select this reason you are only required to complete Sections A, B, C.1, D, and F.
- *Reporting that your site status has changed to inactive and unstaffed*: Indicates that your facility is currently inactive and unstaffed (See Part 6.2.1.3 of the permit for more information). If you select this reason you are only required to complete Sections A, B, and F and include date of status change in the comment field in Section E.4.
- *Reporting that you site status has changed from inactive to active*: Indicates that your facility is currently active (See Part 6.2.1.3 of the permit for more information). If you select this reason you are required to complete all Sections of the form and include date of status change in the comment field in Section E.4.
- *Reporting that no further reductions are achievable for all outfalls and for all pollutants via Part 6.2.1.2 of the permit*: Indicates that your facility has determined that no further pollutant reductions are technologically and economically practicable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of the permit (See Part 6.2.1.2 of the permit for more information). If you select this reason you are required to complete Sections A, B and F. However, if you can make this finding for some outfalls and pollutants, but not for others, you cannot select this reason; you will instead be able to identify which outfalls and which pollutants you can make this finding for in Section E.

Section A. Permit Tracking Number

Enter the National Pollutant Discharge Elimination System (NPDES) tracking number assigned by EPA's Stormwater Notice Processing Center to the facility. If you do not know the tracking number, you can find the tracking number assigned to your facility on EPA's Notice of Intent (NOI) Search website (www.epa.gov/npdes/noisearch).

Section B. Facility Information

1. Enter the facility's official or legal name. Unless the name of your facility has changed, please use the same name provided on your NOI. You can use EPA's NOI Search website (www.epa.gov/npdes/noisearch) to view your NOI.
2. a-d. Enter the street address, including city, state, and zip code of the actual physical location of the facility. Do not use a P.O. Box.
3. (Optional) Identify the name, telephone number, and email address of the person who will serve as a contact for EPA on issues related to monitoring at your facility. This person should be able to answer questions related to stormwater discharges and monitoring or have immediate access to individuals with that knowledge. This person does not have to be the facility operator, but should have intimate knowledge of monitoring activities at the facility.
4. If the form was prepared by someone other than the person who is signing the certification statement in Section F (for example, if the MDMR was prepared by a member of the facility's stormwater pollution prevention team or a consultant for the certifier's signature), include the name, organization, phone number and email address of the MDMR preparer.

Section C. Discharge Information

1. Indicate the appropriate monitoring period (Quarter 1, 2, 3, or 4) covered by the MDMR. "Alternative" monitoring periods can apply to facilities located in arid and semi-arid climates, or in areas subject to snow or prolonged freezing. To use alternative monitoring periods, you must provide a revised monitoring schedule here in the first monitoring report submitted and indicate for which alternative monitoring period you are reporting monitoring data. If using alternative monitoring periods, identify the first day of the monitoring period through the last day of the monitoring period for each of the four periods. The dates should be displayed as month (Mo) / day (Day). See Parts 6.1.6 and 6.1.7 of the permit for more information.
2. If you are submitting benchmark monitoring data, identify if your facility is required to collect benchmark samples for one or more hardness-dependent metals (i.e., cadmium, copper, lead, nickel, silver, and zinc). If you select "yes" to this question you must also complete Question 2.a. and if you select "no" to this question you may skip to Section D.

2.a. If you selected "yes" for Question 2 under Section C, then you are required to submit to EPA with your first benchmark report a hardness level, established consistent with the procedures in Appendix J of the permit, which is representative of your receiving water. If your outfalls discharge to more than one receiving water, as reported in your NOI form, you should report hardness for the receiving water with the lowest hardness values. Hardness values must be reported in milligrams per liter (mg/L).

Section D. Outfall Information

1. Enter the total number of outfalls identified in your stormwater pollution prevention plan (SWPPP). Outfalls are locations where stormwater exits the facility, including pipes, ditches, swales, and other structures used to remove stormwater from the facility.
2. Indicate if your facility has two or more outfalls that you believe discharge substantially identical effluents (i.e., stormwater), based on the similarities of the general industrial activities and control measures, exposed materials that may significantly contribute pollutants to stormwater, and runoff coefficients of their drainage areas. See Parts 5.1.5.2 and 6.1.1 of the permit for more information on substantially identical outfalls.

2.a. If you selected "yes" for Question 2 under Section D, then you must list the outfall name(s) in Column 3.B. that you expect to be substantially identical to the corresponding outfall in Column 3.A.

3.A. *Monitored Outfall Name:* List name(s) of outfall(s) you are required to monitor in Column 3.A.

3.B. *Substantially Identical Outfalls:* List name(s) of outfall(s) substantially identical to "*Monitored Outfall*" in Column 3.A. [if applicable)].

3.C *No Discharge:* Check box if you are reporting "No Discharge" for the monitored outfall for the reporting period identified in Section C.1.

Example:

3.A Monitored Outfall Name	3.B. Substantially Identical Outfall	3.C. No Discharge
Outfall A	Outfall B; Outfall C	☐
Outfall D		☒

Reference attachment if additional space is needed to complete the Table Section D.

Section E. Monitoring Information

1. Enter the NPDES tracking number assigned by EPA's Stormwater Notice Processing Center to the facility reported in Section A.
2. For the reported monitoring event indicate whether the discharge was from a rainfall or snowmelt event. If you select "rainfall" then indicate the duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event in line items 2.a-c. For both rainfall and snowmelt monitoring, you must identify the date of collection for the monitoring event in column 3.g. of the table. If the discharge occurs during a period of both rainfall and snowmelt, check both the rainfall and snowmelt boxes and report the appropriate rainfall information in item 2.a-c. To report multiple monitoring events in the same reporting period, copy Page 2 of this Form and enter each monitoring event separately with data for all outfalls sampled.

For each pollutant monitored at an outfall, you must complete one row in the Table as follows:

3.a. *Outfall Name*: Provide the outfall name for which you monitored (e.g., Outfall 1, Outfall 2, Outfall 3).

3.b. *Monitoring Type*: Provide the type of monitoring using the specified codes, in parentheses, below:
- (QBM) – Quarterly benchmark monitoring
- (ELG) – Annual effluent limitations guidelines monitoring;
- (S/T) – State- or Tribal-specific monitoring
- (I) – Impaired waters monitoring; or
- (O) – Other monitoring as required by EPA.

3.c. *Parameter(s)*: Enter each "Parameter" (or "pollutant") monitored. For QBM and ELG monitoring, use the same parameter name as in Part 8 of the permit.

3.d. *Quality or Concentration*: Enter sample measurement value for each parameter analyzed and required to be reported. Enter "ND" (i.e., not detected) for any sample results below the method detection limit or "BQL" (i.e., below quantitation limit) for sample results above the detection limit but below the quantitation limit.

3.e. *Units*: Enter the units for sample measurement values (i.e., "mg/L" for milligrams per liter) for each parameter analyzed and required to be reported. For monitoring results reported as ND or BQL this space will be left blank and the units will be reported in Column 3.f.

3.f. *Results Description*: This section must be completed for any monitoring results reported as ND or BQL in the "Quality or Concentration" column. For ND, report the laboratory detection level and units in this column. For BQL, report the laboratory quantitation limit and units in this column.

3.g. *Collection Date*: Identify the sampling date for each parameter monitoring result reported on this form.

3.h. *Exceedance due to natural background pollutant levels:* Check box if following the first 4 quarters of benchmark monitoring (or sooner if the exceedance is triggered by less than 4 quarters of data) you have determined that the exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background for that outfall and any substantially identical outfalls. See Part 6.2.4.2 of the permit for more information. Attach supporting rationale for your determination to the submitted MDMR and reference attachment in Section E.4.

3.i. *No further pollutant reductions achievable*: Check box if after collection of 4 quarterly samples (or sooner if the exceedance is triggered by less than 4 quarters of data), the average of the 4 monitoring values for any parameter exceeds the benchmark and you have made the determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of the permit (See Part 6.2.1. of the permit for more information) for that outfall and any substantially identical outfalls. Attach supporting rationale for your determination to the submitted MDMR and reference attachment in Section E.4.

4. Where violations of the permit requirements are reported, include a brief explanation to describe the cause and corrective actions taken, and reference each violation by date. Also, this section should include any additional comments such as are required when changing site status from inactive and unstaffed to active or vice versa. Attach additional pages if you need more space.

Attach additional copies of Section E as necessary to address all outfalls and parameters.

Section F. Certification

Enter "*Name/Title of Principal Executive Officer or Authorized Agent*" with "*Signature of Principal Executive Officer or Authorized Agent,*" "*Date*" form was signed and email of the "*Principal Executive Officer or Authorized Agent.*" If you submit multiple pages of Section E monitoring data, each page must be appropriately signed and certified as described below.

Certification statement and signature (see Section B.11 in Appendix B of the permit for more information). Federal statutes provide for severe penalties for submitting false information on this reporting form. Federal regulations require this form to be signed by one of the following individuals, or a duly authorized representative of that person, as follows:

For a corporation: by a responsible corporate officer, which means:
(i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or
(ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or
For a municipal, State, Federal, or other public facility: by either a principal executive or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this certification is estimated to average 7.25 hours per response plus an additional 2 hours for respondents required to gather hardness data, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Office of Environmental Information Services, Collection Services Division (2823), USEPA, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include the OMB control number of this form on any correspondence. Do not send the completed MDMR form to this address.

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: December 28, 2015

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1504916 **SAMPLE DATE:** 12/16/15 **DESCRIPTION:** Stormwater 002
SAMPLE COLLECTED BY: Client (Pedro Labayen) **TIME:** 8:00AM **LAB. FILE ID:** 1504916
DATE RECEIVED: 12/17/15 **MATRIX:** Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1504916 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.459	0.005	HS	12/28/15
Iron	200.7(ICAP)	Grab	mg/L	0.292	0.010	HS	12/28/15
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	HS	12/28/15
Zinc	200.7(ICAP)	Grab	mg/L	0.012	0.002	HS	12/28/15

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in this Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Iris M. Chévere Alfonzo
Lic. 2370
QUIMICO LICENCIADO
A 1561561

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)

192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABO[illegible]ORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO	COMPANY	SAMPLER
	AES Gma.	Pedro Labayen

SAMPLE LOCATION CLIENT ID		TIME	800 AM PM	CONTROL NO.
SAMPLE DATE	12-16-15	BEL NO	1504916	186334

1. General Environmental		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				
2. Metals					
Aluminum (Al)	(X)	1,3	Cadmium (Cd)	( )	
Chromium (Cr)	( )		Copper (Cu)	( )	
Iron (Fe)	(X)	1,3	Lead (Pb)	(X)	1,3
Manganese (Mn)	( )		Mercury (Hg)	( )	
Nickel (Ni)	( )		Selenium (Se)	( )	
Silver (Ag)	( )		Tin (Sn)	( )	
Zinc (Zn)	(X)	1,3	Arsenic (As)	( )	
Barium (Ba)	( )		Boron (B)	( )	
Antimony (Sb)	( )		Beryllium (Be)	( )	
Bismuth (Bi)	( )		Calcium (Ca)	( )	
Chromium, VI (CrVI)	( )		Cobalt (Co)	( )	
Magnesium (Mg)	( )		Molybdenum (Mo)	( )	
Potassium (K)	( )		Silicon (Si)	( )	
Sodium (Na)	( )		Strontium (Sr)	( )	
Thallium (Tl)	( )		Titanium (Ti)	( )	
Vanadium (V)	( )		Lithium (Li)	( )	
3. RCRA Hazardous wastes					
Ignitability (Flash Pt.)	( )		Corrosivity	( )	
Reactivity (CN & S)	( )		TCLP	( )	
RCRA Metals	( )		Organics-Pest/Herb	( )	
Organics-BNA	( )		Organics-VOA	( )	
TOX	( )				
4. Specific Organics					
Volatiles	( )		Phenols GC	( )	
Pesticides PCB's	( )		Semi-Volitiles (BNA)	( )	
Herbicides	( )		PCB's Only	( )	
BTEX	( )		TPH 418.1	( )	
TTO & Dioxin	( )		TTO	( )	
			TPH 8015	( )	
			Lindane	( )	
5. Microbiology					
Fecal Coliform	( )		Total Coliform	( )	

Comments: (Rush)

Sampling Witness; _____
Date/Time: _____
Relinquished by: [signature]
Date/Time: 12/17/15 12:55 pm
Received by: [signature]
Date/Time: 12-17-15 12:55 PM
Relinquished by: [signature]
Date/Time: 12-17-15 3:50 PM
Received by: [signature]
Date/Time: 12/17/15 3:50pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool, <6° C
2. Sulfuric Acid (H_2SO_4) pH<2
3. Nitric Acid (HNO_3), pH<2
4. Hydrochloric acid (HCl)
5. Sodium Thiosulfate
6. Sodium Hydroxide(NaOH)
7. Zinc Acetate
8. Ascorbic Acid
9. FAS
10. Other

Sample type legend:

grab samples	x
composite samples	xx

Turnaround time:

1 day	( )
2 days	( )
3 days	( )
5 days	( )

Sampling Equipment:

Automatic Sampler	( )
Sample Pick Up	( )

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

Original

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
MSGP INDUSTRIAL DISCHARGE MONITORING REPORT (MDMR)

Form Approved.
OMB No. 2040-0004

Reason(s) for Submission (Check all that apply).

- ☑ Submitting monitoring data (Fill in all Sections).
- ☐ Reporting no discharge for all outfalls for this monitoring period (Fill in Sections A, B, C.1, D, and F).
- ☐ Reporting that your site status has changed to inactive and unstaffed (Fill in Sections A, B, F and include date of status change in comment field in Section E.4).
- ☐ Reporting that your site status has changed to active (Fill in all Sections and include date of status change in comment field in Section E.4).
- ☐ Reporting that no further pollutant reductions are achievable for all outfalls and for all pollutants via Part 6.2.1.2 of the MSGP (Fill in Sections A, B and F).

A. Permit Tracking Number: PRR05BL65

Note: Read instructions before completing this Form.

B. Facility Information

1. Facility Name: AES PUERTO RICO

2. Facility Location:

a. Street: PR-03 KM 142.0 BO. JOBOS

b. City: GUAYAMA c. State: PR d. Zip Code: 00785-

3. Additional Facility Information (Optional):

Contact Name: MANUEL MATA Email: manuel.mata@aes.com

Phone: 787-866-8117 Ext. 2233

4. MDMR Preparer (Complete if MDMR was prepared by someone other than the person signing the certification in Section F)

Prepared by: PEDRO E. LABAYEN

Organization: AES PUERTO RICO

Email: pedro.labayen@aes.com

Phone: 787-866-8117 Ext. 2215

C. Discharge Information

1. Identify monitoring period:

☑ Check here if proposing alternative monitoring periods due to irregular stormwater runoff. Identify alternative monitoring schedule and indicate for which alternative monitoring period you are reporting monitoring data:

☐ Quarter 1 (April 1 – June 30)	☐ Quarter 1:	From	01/01	To	03/31
☐ Quarter 2 (July 1 – September 30)	☐ Quarter 2:	From	04/01	To	06/30
☐ Quarter 3 (October 1 – December 31)	☐ Quarter 3:	From	07/01	To	09/30
☐ Quarter 4 (January 1 – March 31)	☑ Quarter 4:	From	10/01	To	12/31

2. Are you required to monitor for cadmium, copper, chromium, lead, nickel, silver, or zinc? ☑ Yes (Complete line item 2.a.) ☐ No (Skip to Section D)

2a. What is the hardness level of the receiving water? 6800 mg/L

D. Outfall Information

1. How many outfall(s) are identified in your SWPPP? 03 List name of outfall(s) required to be monitored in table below.

2. Do any of your outfalls discharge substantially identical effluents? ☐ YES ☑ NO

2.a. If yes, for each monitored outfall, indicate outfall names that are substantially identical in table below.

3.A. Monitored Outfall Name*	3.B. Substantially Identical Outfalls [List name(s) of outfall(s) substantially identical to outfall in 3.A. (if applicable)]	3.C. No Discharge?
Outfall 001		☐
Outfall 002		☐
Outfall 003		☐
		☐
		☐

*Reference attachment if additional space needed to complete the table.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
MSGP INDUSTRIAL DISCHARGE MONITORING REPORT (MDMR)

Form Approved. OMB No. 2040-0004

E. Monitoring Information

Note: Make additional copies of this form as necessary.

1. Permit Tracking Number: PRR05BL65

2. Nature of Discharge: ☑ Rainfall (Complete line items 2.a., 2.b., & 2.c.) ☐ Snowmelt

2.a. Duration of the rainfall event (hours): 02 2.b. Rainfall amount (inches): 00.6 2.c. Time since previous measurable storm event (days) 013

3.a. Outfall Name	3.b. Monitoring Type (QBM, ELG, S/T, I, O)*	3.c. Parameter	3.d. Quality or Concentration	Unit	3.f. Result Description	3.g. Collection Date	3.h. Exceedance due to natural background pollutant levels	3.i. No further pollutant reductions achievable?
003	QMB	Aluminum	1.33	mg/L		11/23/15	☐	☐
003	QMB	Iron	0.682	mg/L		11/23/15	☐	☐
003	QMB	Lead	0.002	mg/L		11/23/15	☐	☐
003	QMB	Zinc	0.028	mg/L		11/23/15	☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐
							☐	☐

* (QBM) - Quarterly benchmark monitoring; (ELG) - Annual effluent limitations guidelines monitoring; (S/T) - State- or Tribal-specific monitoring; (I) - Impaired waters monitoring; (O) -Other monitoring as required by EPA

4. Comment and/or Explanation of Any Violations (Reference all attachments here)

F. Certification

Typed or Printed Name/Title of Principal Executive Officer or Authorized Agent	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Signature of Principal Executive Officer or Authorized Agent	Date
Hector M. Avila			1/15/16

Email of Principal Executive Officer or Authorized Agent: hector.avila@aes.com

Instructions for Completing the MSGP Industrial Discharge Monitoring Report (MDMR)

Who Must Submit A Discharge Monitoring Report to EPA?

Facilities covered under the Multi-Sector General Permit (MSGP or permit) that are required to monitor pursuant to Parts 6.2, 6.3, and 8 of the permit must submit the MSGP Discharge Monitoring Report (MDMR) consistent with the reporting requirements specified in Part 7.1 of the permit.

Where to File the MDMR Form

Monitoring data collected pursuant to Parts 6.2, 6.3, and 8 of the permit must be submitted electronically via EPA's Electronic Notice of Intent System (eNOI), which can be found at www.epa.gov/npdes/enoi. Filing electronically will allow permittees to easily submit the results of monitoring data to EPA. If you cannot access eNOI, monitoring results must be reported on the paper MDMR form and sent to one of the following addresses:

Via U.S. mail:
U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Mail Code 4203M, ATTN: MSGP Reports
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

Via Overnight/Express Delivery:
U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Room 7420, ATTN: MSGP Reports
1201 Constitution Avenue, NW
Washington, D.C. 20004
Phone number: 202-564-9545

Completing the MDMR Form

To complete this form, type or print in uppercase letters in the appropriate areas only. Be sure that you complete all applicable questions. Photocopy your MDMR form for your records before you send the completed original form to the appropriate address above. Use ink when you sign and mail the original document – EPA will not accept photocopies. You may also use this paper form as a checklist for the information you will need when submitting a MDMR electronically via EPA's eNOI system.

Reasons for Submission

Indicate your reason(s) for submitting this MDMR by checking all boxes that apply. The reasons for submission are defined as follows:

- *Submitting monitoring data*: For each storm sampled, submit one MDMR form with data for all outfalls sampled. Select this reason even if you only have monitoring data for some of your outfalls (i.e., some outfalls did not discharge). If you select this reason you are required to complete all Sections of the form.
- *Reporting no discharge for all outfalls for this monitoring period*: Indicates that there were no discharges from all outfalls during this monitoring period. If you select this reason you are only required to complete Sections A, B, C.1, D, and F.
- *Reporting that your site status has changed to inactive and unstaffed*: Indicates that your facility is currently inactive and unstaffed (See Part 6.2.1.3 of the permit for more information). If you select this reason you are only required to complete Sections A, B, and F and include date of status change in the comment field in Section E.4.
- *Reporting that you site status has changed from inactive to active*: Indicates that your facility is currently active (See Part 6.2.1.3 of the permit for more information). If you select this reason you are required to complete all Sections of the form and include date of status change in the comment field in Section E.4.
- *Reporting that no further reductions are achievable for all outfalls and for all pollutants via Part 6.2.1.2 of the permit*: Indicates that your facility has determined that no further pollutant reductions are technologically and economically practicable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of the permit (See Part 6.2.1.2 of the permit for more information). If you select this reason you are required to complete Sections A, B and F. However, if you can make this finding for some outfalls and pollutants but not for others, you cannot select this reason; you will instead be able to identify which outfalls and which pollutants you can make this finding for in Section E.

Section A. Permit Tracking Number

Enter the National Pollutant Discharge Elimination System (NPDES) tracking number assigned by EPA's Stormwater Notice Processing Center to the facility. If you do not know the tracking number, you can find the tracking number assigned to your facility on EPA's Notice of Intent (NOI) Search website (www.epa.gov/npdes/noisearch).

Section B. Facility Information

1. Enter the facility's official or legal name. Unless the name of your facility has changed, please use the same name provided on your NOI. You can use EPA's NOI Search website (www.epa.gov/npdes/noisearch) to view your NOI.

2.a-d. Enter the street address, including city, state, and zip code of the actual physical location of the facility. Do not use a P.O. Box.

3. (Optional) Identify the name, telephone number, and email address of the person who will serve as a contact for EPA on issues related to monitoring at your facility. This person should be able to answer questions related to stormwater discharges and monitoring or have immediate access to individuals with that knowledge. This person does not have to be the facility operator, but should have intimate knowledge of monitoring activities at the facility.

4. If the form was prepared by someone other than the person who is signing the certification statement in Section F (for example, if the MDMR was prepared by a member of the facility's stormwater pollution prevention team or a consultant for the certifier's signature), include the name, organization, phone number and email address of the MDMR preparer.

Section C. Discharge Information

1. Indicate the appropriate monitoring period (Quarter 1, 2, 3, or 4) covered by the MDMR. "Alternative" monitoring periods can apply to facilities located in arid and semi-arid climates, or in areas subject to snow or prolonged freezing. To use alternative monitoring periods, you must provide a revised monitoring schedule here in the first monitoring report submitted and indicate for which alternative monitoring period you are reporting monitoring data. If using alternative monitoring periods, identify the first day of the monitoring period through the last day of the monitoring period for each of the four periods. The dates should be displayed as month (Mo) / day (Day). See Parts 6.1.6 and 6.1.7 of the permit for more information.

2. If you are submitting benchmark monitoring data, identify if your facility is required to collect benchmark samples for one or more hardness-dependent metals (i.e., cadmium, copper, lead, nickel, silver, and zinc). If you select "yes" to this question you must also complete Question 2.a. and if you select "no" to this question you may skip to Section D.

2.a. If you selected "yes" for Question 2 under Section C, then you are required to submit to EPA with your first benchmark report a hardness level, established consistent with the procedures in Appendix J of the permit, which is representative of your receiving water. If your outfalls discharge to more than one receiving water, as reported in your NOI form, you should report hardness for the receiving water with the lowest hardness values. Hardness values must be reported in milligrams per liter (mg/L).

Section D. Outfall Information

1. Enter the total number of outfalls identified in your stormwater pollution prevention plan (SWPPP). Outfalls are locations where stormwater exits the facility, including pipes, ditches, swales, and other structures used to remove stormwater from the facility.

2. Indicate if your facility has two or more outfalls that you believe discharge substantially identical effluents (i.e., stormwater), based on the similarities of the general industrial activities and control measures, exposed materials that may significantly contribute pollutants to stormwater, and runoff coefficients of their drainage areas. See Parts 5.1.5.2 and 6.1.1 of the permit for more information on substantially identical outfalls.

2.a. If you selected "yes" for Question 2 under Section D, then you must list the outfall name(s) in Column 3.B. that you expect to be substantially identical to the corresponding outfall in Column 3.A.

3.A. *Monitored Outfall Name*: List name(s) of outfall(s) you are required to monitor in Column 3.A.

3.B. *Substantially Identical Outfalls*: List name(s) of outfall(s) substantially identical to "*Monitored Outfall*" in Column 3.A. (if applicable)].

3.C *No Discharge*: Check box if you are reporting "No Discharge" for the monitored outfall for the reporting period identified in Section C.1.

Example:

3.A Monitored Outfall Name	3.B. Substantially Identical Outfall	3.C. No Discharge
Outfall A	Outfall B; Outfall C	☐
Outfall D		☒

Reference attachment if additional space is needed to complete the Table Section D.

Section E. Monitoring Information

1. Enter the NPDES tracking number assigned by EPA's Stormwater Notice Processing Center to the facility reported in Section A.
2. For the reported monitoring event indicate whether the discharge was from a rainfall or snowmelt event. If you select "rainfall" then indicate the duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event in line items 2.a-c. For both rainfall and snowmelt monitoring, you must identify the date of collection for the monitoring event in column 3.g. of the table. If the discharge occurs during a period of both rainfall and snowmelt, check both the rainfall and snowmelt boxes and report the appropriate rainfall information in item 2.a-c. To report multiple monitoring events in the same reporting period, copy Page 2 of this Form and enter each monitoring event seperately with data for all outfalls sampled.

For each pollutant monitored at an outfall, you must complete one row in the Table as follows:

3.a. *Outfall Name*: Provide the outfall name for which you monitored (e.g., Outfall 1, Outfall 2, Outfall 3).

3.b. *Monitoring Type*: Provide the type of monitoring using the specified codes, in parentheses, below:
- (QBM) – Quarterly benchmark monitoring
- (ELG) – Annual effluent limitations guidelines monitoring;
- (S/T) – State- or Tribal-specific monitoring;
- (I) – Impaired waters monitoring; or
- (O) – Other monitoring as required by EPA.

3.c. *Parameter(s)*. Enter each "Parameter" (or "pollutant") monitored. For QBM and ELG monitoring, use the same parameter name as in Part 8 of the permit.

3.d. *Quality or Concentration*: Enter sample measurement value for each parameter analyzed and required to be reported. Enter "ND" (i.e., not detected) for any sample results below the method detection limit or "BQL" (i.e., below quantitation limit) for sample results above the detection limit but below the quantitation limit.

3.e. *Units*: Enter the units for sample measurement values (i.e., "mg/L" for milligrams per liter) for each parameter analyzed and required to be reported. For monitoring results reported as ND or BQL this space will be left blank and the units will be reported in Column 3.f.

3.f. *Results Description*: This section must be completed for any monitoring results reported as ND or BQL in the "Quality or Concentration" column. For ND, report the laboratory detection level and units in this column. For BQL, report the laboratory quantitation limit and units in this column.

3.g. *Collection Date*: Identify the sampling date for each parameter monitoring result reported on this form.

3.h. *Exceedance due to natural background pollutant levels:* Check box if following the first 4 quarters of benchmark monitoring (or sooner if the exceedance is triggered by less than 4 quarters of data) you have determined that the exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background for that outfall and any substantially identical outfalls. See Part 6.2.4.2 of the permit for more information. Attach supporting rationale for your determination to the submitted MDMR and reference attachment in Section E.4.

3.i. *No further pollutant reductions achievable:* Check box if after collection of 4 quarterly samples (or sooner if the exceedance is triggered by less than 4 quarters of data), the average of the 4 monitoring values for any parameter exceeds the benchmark and you have made the determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of the permit (See Part 6.2.1. of the permit for more information) for that outfall and any substantially identical outfalls. Attach supporting rationale for your determination to the submitted MDMR and reference attachment in Section E.4.

4. Where violations of the permit requirements are reported, include a brief explanation to describe the cause and corrective actions taken, and reference each violation by date. Also, this section should include any additional comments such as are required when changing site status from inactive and unstaffed to active or vice versa. Attach additional pages if you need more space.

Attach additional copies of Section E as necessary to address all outfalls and parameters.

Section F. Certification

Enter "*Name/Title of Principal Executive Officer or Authorized Agent*" with "*Signature of Principal Executive Officer or Authorized Agent*," "*Date*" form was signed and email of the "*Principal Executive Officer or Authorized Agent.*" If you submit multiple pages of Section E monitoring data, each page must be appropriately signed and certified as described below.

Certification statement and signature (see Section B.11 in Appendix B of the permit for more information). Federal statutes provide for severe penalties for submitting false information on this reporting form. Federal regulations require this form to be signed by one of the following individuals, or a duly authorized representative of that person, as follows:

For a corporation: by a responsible corporate officer, which means:
(i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or
(ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or
For a municipal, State, Federal, or other public facility: by either a principal executive or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this certification is estimated to average 7.25 hours per response plus an additional 2 hours for respondents required to gather hardness data, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Office of Environmental Information Services, Collection Services Division (2823), USEPA, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include the OMB control number of this form on any correspondence. Do not send the completed MDMR form to this address.

BECKTON ENVIRONMENTAL

LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: December 18, 2015

CONTRACT: AES – Guayama

LAB. SAMPLE ID: BEL-1504505 **SAMPLE DATE:** 11/23/15 **DESCRIPTION: Outfall 003**
SAMPLE COLLECTED BY: Client (Pedro Labayen) **TIME:** 23:39 **LAB. FILE ID:** 1504505
DATE RECEIVED: 11/24/15 **MATRIX:** Water

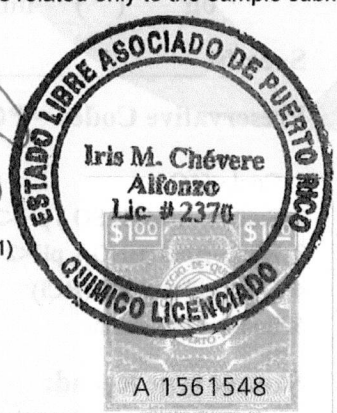
PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1504505 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	1.33	0.005	BTR	12/15/15
Iron	200.7(ICAP)	Grab	mg/L	0.682	0.010	BTR	12/15/15
Lead	200.7(ICAP)	Grab	mg/L	0.002	0.002	BTR	12/15/15
Zinc	200.7(ICAP)	Grab	mg/L	0.028	0.002	BTR	12/15/15

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.

Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records (1)



192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES
192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROYECT NO.	COMPANY	SAMPLER
	AES Guayama	Pedro Labayen

SAMPLE LOCATION/CLIENT ID	Outfall 003	TIME	23:39 AM PM	CONTROL NO.
SAMPLE DATE	11/23/15 11/24/15	BEL. NO.	1504505	184526

1. General Environmental:		PC	VSS		PC
Acidity	( )		Alkalinity	( )	
Ammonia as N	( )		Bicarbonate	( )	
BOD-5	( )		Bromide	( )	
Chloride	( )		Chlorine, Res.	( )	
COD	( )		Color (ADMI)	( )	
Conductivity µmhos/cm	( )		Color (Pt-Co)	( )	
Dissolved Oxygen	( )		Cyanide	( )	
Hardness	( )		Fluoride	( )	
Moisture %	( )		Iodide	( )	
Nitrite	( )		Nitrate	( )	
Oil+Grease	( )		Nitrate + Nitrite	( )	
Phenol	( )		pH, S.U.	( )	
Phosphorus, Total	( )		Phosphate, Ortho	( )	
Sett Solids mg/L	( )		Sett. Solids mL/L	( )	
Sulfate	( )		Solids, Total	( )	
Sulfite	( )		Sulfide	( )	
TDS	( )		Surfactant	( )	
Temperature, °C	( )		TSS	( )	
TOC	( )		TKN	( )	
Asbestos	( )		Turbidity	( )	
TVS	( )		Carbonate	( )	
Total Nitrogen	( )				

2. Metals:							
Aluminum	(Al)	(X)	1	Cadmium	(Cd)	( )	
Chromium	(Cr)	( )		Copper	(Cu)	( )	
Iron	(Fe)	(X)	1	Lead	(Pb)	(X)	1
Manganese	(Mn)	( )		Mercury	(Hg)	( )	
Nickel	(Ni)	( )		Selenium	(Se)	( )	
Silver	(Ag)	( )		Tin	(Sn)	( )	
Zinc	(Zn)	(X)	1	Arsenic	(As)	( )	
Barium	(Ba)	( )		Boron	(B)	( )	
Antimony	(Sb)	( )		Beryllium	(Be)	( )	
Bismuth	(Bi)	( )		Calcium	(Ca)	( )	
Chromium, VI	(CrVI)	( )		Cobalt	(Co)	( )	
Magnesium	(Mg)	( )		Molybdenum	(Mo)	( )	
Potassium	(K)	( )		Silicon	(Si)	( )	
Sodium	(Na)	( )		Strontium	(Sr)	( )	
Thallium	(Tl)	( )		Titanium	(Ti)	( )	
Vanadium	(V)	( )		Lithium	(Li)	( )	

3. RCRA/Hazardous wastes				
Ignitability (Flash Pt.)	( )		Corrosivity	( )
Reactivity (CN & S)	( )		TCLP	( )
RCRA Metals	( )		Organics-Pest/Herb	( )
Organics-BNA	( )		Organics-VOA	( )
TOX	( )			

4. Specific Organics				
Volatiles	( )		Phenols GC	( )
Pesticides/PCB's	( )		Semi-Volitiles (BNA)	( )
Herbicides	( )		PCB's Only	( )
BTEX	( )		TPH 418.1	( )
TTO & Dioxin	( )		TTO	( )
			TPH 8015	( )
			Lindane	( )

5. Microbiology				
Fecal Coliform	( )		Total Coliform	( )

Comments: _____

Sampling Witness; _____
Date/Time: _____
Relinquished by: Pedro Labayen
Date/Time: 11/24/2015 1:30 pm
Received by: _____
Date/Time: 11/24/15 1:30 pm
Relinquished by: _____
Date/Time: 11/24/15 3:14 pm
Received by: _____
Date/Time: 11/24/15 3:14 pm
Relinquished by: _____
Date/Time: _____
Received by: _____
Date/Time: _____

Matrix

air	( )	water	(X)	sludge	( )
liquid	( )	soil	( )	solid	( )
oil	( )	mixed	( )	other	( )

Specify: _____

Preservative Codes = PC

1. Cool,<6° C	6. Sodium Hydroxide(NaOH)
2. Sulfuric Acid (H_2SO_4) pH<2	7. Zinc Acetate
3. Nitric Acid (HNO_3), pH<2	8. Ascorbic Acid
4. Hydrochloric acid (HCl)	9. FAS
5. Sodium Thiosulfate	10.Other

Sample type legend:

grab samples	x
composite samples	xx

Turnaround time:

1 day	( )
2 days	( )
3 days	( )
5 days	( )

Sampling Equipment:

Automatic Sampler	( )
Sample Pick Up	(X)

Note: normal turnaround time is ten (10) working days; additional charges apply for rush orders.

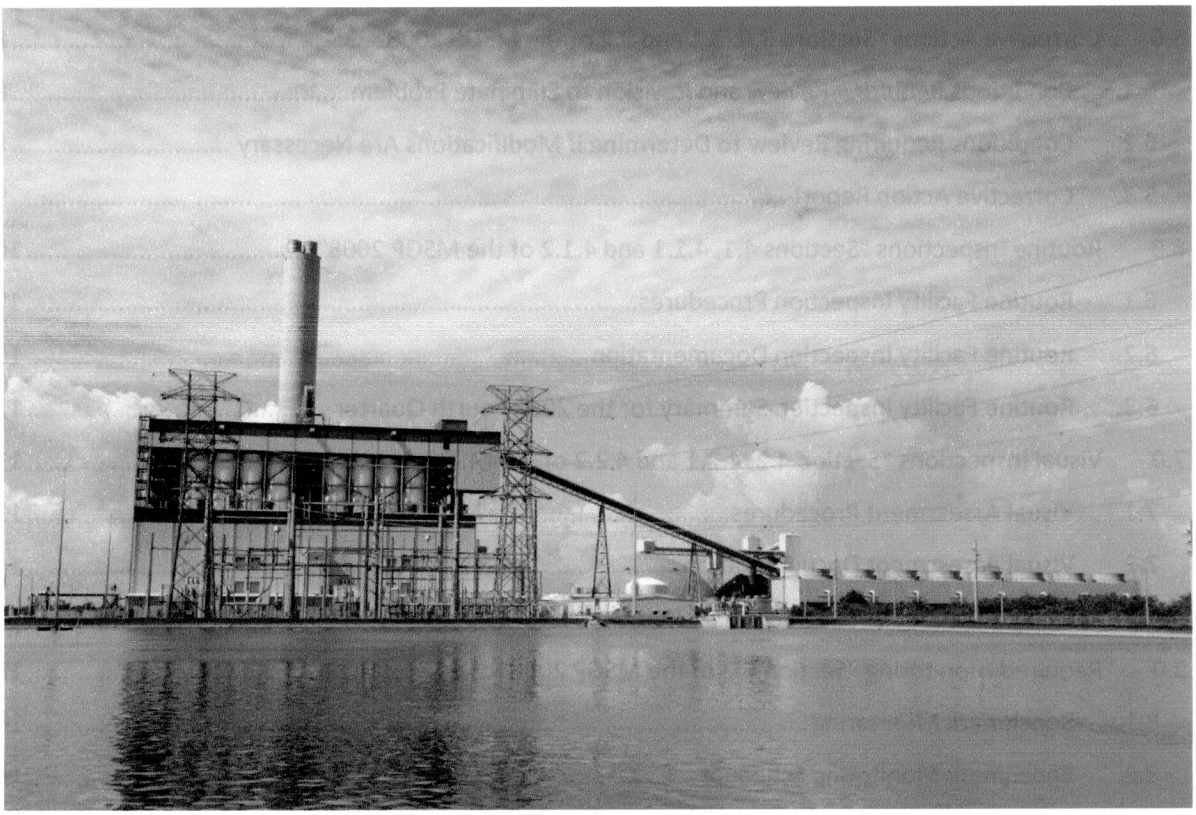
Original

ATTACHMENT 2

AES Puerto Rico
2015

Annual Comprehensive Site Report

"Pursuant to Part 7.2, 4.3, 4.3.2, 4.1.1, 4.1.2 and 3.4 of the MSPG and the Administrative Compliance Order Docket Number CWA-02-2015-3102, Section VII ¶71"



Reporting period:

January 1, 2015 to December 31, 2015

Table of Contents

1.0 Executive Summary 1

2.0 Background, information and areas covered under this report 2

3.0 Reporting and Recordkeeping "Section 7.0 of the MSGP 2008" 3

3.1. Annual Report Requirements 3

4.0 Comprehensive Site Inspections "Sections 4.3, 4.3.1 & 4.3.2 of the MSGP 2008" 4

4.1. Comprehensive Site Inspection Procedures 4

4.3. Comprehensive Site Inspection Documentation 6

4.4. Comprehensive Site Inspection Report Findings and Corrective Actions" 7

5.0 Corrective Actions "Sections 3.0, 3.1 and 3.2 of the MSGP 2008" 8

5.1. Conditions Requiring Review and Revision to Eliminate Problem 8

5.2. Conditions Requiring Review to Determine if Modifications Are Necessary 8

5.3. Corrective Action Report 9

6.0 Routine Inspections "Sections 4.1, 4.1.1 and 4.1.2 of the MSGP 2008" 10

6.1. Routine Facility Inspection Procedures 10

6.2. Routine Facility Inspection Documentation 10

6.3. Routine Facility Inspection Summary for the 2015 Fourth Quarter 12

7.0 Visual Inspections "Section 4.2, 4.2.1 and 4.2.2 of the MSGP 2008" 13

7.1. Visual Assessment Procedures 13

7.2. Visual Assessment Documentation 14

7.3. Visual Assessment 2015 Summary Results 15

8.0 Required Monitoring "Section 6.2 of the MSGP 2008" 16

8.1. Benchmark Monitoring 16

8.2. Benchmark Monitoring Schedule 16

8.3. Benchmark Monitoring Analysis "Section 6.2 of the MSGP 2008" 19

Appendices

Appendix A - Comprehensive Annual Evaluation 2015

Appendix B - Routine Facility Inspection

Appendix C – Summary of Benchmark Monitoring

Appendix D – Q-4 Quarterly Visual Assessment

Appendix E – Corrective Action Documentation (MSGP 2015)

Appendix F – Additional Documentation for the Fourth Quarter Period

Appendix G - Rain Gauge Daily Precipitation Data from October 2015 to December 2015

Appendix H – Rain Gauge Hourly Precipitation Data from October 2015 to December 2015

1.0 Executive Summary

The following report summarizes AES-PR compliance activities completed as required under the Administrative Compliance Order "ACO", Docket Number CWA-02-2015-3102. The requirements of the MSGP 2008 annual report covering past year's visual assessments, benchmark monitoring analyses and corrective actions resulting from these activities are included. A summary of compliance actions and documentation for the remaining period until December 31, 2015, including site inspections, monitoring activities and corrective actions is also presented in this report.

The comprehensive annual site inspection report was conducted on August 31, 2015 and the corresponding report prepared by Eng. Pedro E. Labayen the Storm water Compliance Coordinator and member of the storm water pollution prevention team. It covers the AES Puerto Rico Coal-Fired Power Plant and Marine Cargo Handling Facility, located at:

State Road 3, Km. 142.0
Jobos Ward
Guayama, Puerto Rico 00784

This report summarizes all site findings and actions taken related to the requirements identified in the above provision and provides recommendations to improve the storm water program in the facility ensuring continuous compliance status.

2.0 Background, information and areas covered under this report

Section 7.2 of the MSGP 2008 requires AES-PR to submit an annual report that includes the findings from the comprehensive site inspection and any corrective action documentation required. The annual comprehensive site inspection is intended to be a more in-depth version of the routine facility inspections. This annual comprehensive site inspection evaluated the condition of control measures, taking into account the results of visual and laboratory analyses of storm water samples taken during the year and routine inspections. Corrective actions completed and status of ongoing compliance activities, are also summarized in this annual report.

The inspection performed by AES-PR for the 2015 Annual Report covered all areas of the facility affected by the requirements of the industrial storm water general permit, including all potential storm water pollutant sources identified in the SWPPP, areas where control measures are used to comply with applicable parameters, and areas where spills and leaks have been documented in the three years prior to the annual comprehensive site inspection. In addition, the annual inspection included a review of visual storm water monitoring data collected each quarter of the reported year and the results of the routine site inspections.

3.0 Reporting and Recordkeeping "Section 7.0 of the MSGP 2008"

3.1.Annual Report Requirements

As required under section 7.2 of the MSGP 2008, AES-PR is required to submit an annual report to EPA that includes the findings from Part 4.3 of the MSGP 2008, comprehensive site inspection and any corrective action documentation as required in Part 3.4 of the MSGP 2008. If corrective actions are not yet completed at the time of submission of the annual report, any outstanding corrective action(s) must be describe. In addition to the information required in Parts 3.4 (Corrective Action Report) of the MSGP 2008 and 4.3.2 (Comprehensive Site Inspection Documentation) of the MSGP 2008, AES-PR will include the following information with its annual report:

- Facility name
- NPDES permit tracking number
- Facility physical address
- Contact person name, title, and phone number

As EPA recommended in Section 7.2 of the MSGP 2008, AES-PR utilized the Annual Reporting Form provided in Appendix I of the MSGP 2008.

In addition to the information required by the MSGP 2008 to be submitted in the annual report, AES-PR is submitting compliance documentation for the remaining period until December 31, 2015, including site inspections, monitoring activities and corrective actions.

4.0 Comprehensive Site Inspections "Sections 4.3, 4.3.1 & 4.3.2 of the MSGP 2008"

4.1.Comprehensive Site Inspection Procedures

AES-PR is required to conduct annual comprehensive site inspections while covered under the existing ACO and in accordance with sections 4.3 of the MSGP 2008. Annual, as defined in this Part, means once during each of the following inspection periods beginning with the period AES-PR is authorized to discharge under this permit:

Year 1: September 29, 2008 – September 29, 2009

Year 2: September 29, 2009 – September 29, 2010

Year 3: September 29, 2010 – September 29, 2011

Year 4: September 29, 2011 – September 29, 2012

Year 5: September 29, 2012 – September 29, 2013

AES-PR can be waived from having to perform a comprehensive site inspection for an inspection period, as defined in the ACO, if it obtains authorization to discharge less than three months before the end of that inspection period.

Should coverage be administratively continued after the expiration date of this permit, AES-PR is required to continue perform these inspections annually until no longer covered. Comprehensive inspections were conducted by AES-PR during the time period between the MSGP 2008 expiration and the issuance of the MSGP 2015.

AES-PR conducted the comprehensive site inspections by qualified personnel with at least one member of its storm water pollution prevention team participating in the comprehensive site inspections.

The comprehensive site inspections covered all areas of the facility affected by the requirements of the ACO and MSPG 2008, including the areas identified in the SWPPP as potential pollutant sources (see Part 5.1.3 of the MSGP 2008) where industrial materials or activities are exposed to storm water, any areas where control measures are used to comply with the effluent limits in Part 2 of the MSGP 2008, and areas where spills and

leaks have occurred in the past 3 years. The inspections have also included a review of monitoring data collected in accordance with Part 6.2 of the MSGP 2008. The inspectors have considered the results of the past year's visual and analytical monitoring when planning and conducting inspections.

Inspectors have examined the following:

- Industrial materials, residue, or trash that may have or could come into contact with storm water;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas; and
- Control measures needing replacement, maintenance, or repair.

Storm water control measures required by this permit were observed to ensure that they are functioning correctly.

Under the MSGP 2008, annual comprehensive site inspection may also be used as one of the routine inspections, as long as all components of both types of inspections are included. See section 4.4 below.

4.3.Comprehensive Site Inspection Documentation

AES-PR is required to document the findings of each comprehensive site inspection and maintain this documentation onsite with the SWPPP, as required in Part 5.4 of the MSGP 2008. In addition, we are required to submit this documentation with the annual report, as required in Part 7.2 of the MSGP 2008. At a minimum, your documentation of the comprehensive site inspection must include (see the Annual Reporting Form included as Appendix I of the MSGP 2008):

- The date of the inspection;
- The name(s) and title(s) of the personnel making the inspection;
- Findings from the examination of areas of your facility identified in Part 4.3.1 of the MSGP 2008;
- All observations relating to the implementation of your control measures including:
    - Previously unidentified discharges from the site,
    - Previously unidentified pollutants in existing discharges,
    - Evidence of, or the potential for, pollutants entering the drainage system;
    - Evidence of pollutants discharging to receiving waters at all facility outfall(s), and the condition of and around the outfall, including flow dissipation measures to prevent scouring, and
    - Additional control measures needed to address any conditions requiring corrective action identified during the inspection.
- Any required revisions to the SWPPP resulting from the inspection;
- Any incidents of noncompliance observed or a certification stating the facility is in compliance with this permit (if there is no noncompliance); and
- A statement signed and certified in accordance with Appendix B, Subsection 11 of the MSGP 2008.

Any corrective action required as a result of the comprehensive site inspection will be performed consistent with Part 3 of MSGP 2008.

4.4.Comprehensive Site Inspection Report Findings and Corrective Actions"

Inspection Members and Background: The 2015 third quarter (Q-3) routine facility inspection was used as the annual comprehensive site inspection. This inspection was performed on **August 31, 2015** by Eng. Pedro E. Labayen the Storm Water Compliance Coordinator and member of the storm water pollution prevention team for AES-PR.

This report summarizes all findings related to the requirements identified above and it provides recommendations to improve the facility's storm water program to ensure continuous compliance status.

Findings: During the Comprehensive Annual Evaluation, AES-PR revised the year-to-date completed and ongoing corrective actions, none of which were directly related to any unauthorized releases. Storm water monitoring data were reviewed as part of this inspection and did not result in identification of additional pollutant hot spots. In summary, the findings identified were corrected in a timely manner.

Corrective Actions: As required in Section 3.4 of MSGP 2008 "Corrective Action Report", AES-PR completed questions 7-11 of the Annual Reporting Form (Appendix I of the MSGP 2008). Details of the findings and corrective actions are included in **Appendix A** of this report.

5.0 Corrective Actions "Sections 3.0, 3.1 and 3.2 of the MSGP 2008"

5.1. Conditions Requiring Review and Revision to Eliminate Problem

If any of the following conditions occur, AES-PR will review and revise the selection, design, installation, and implementation of its control measures to ensure that the condition is eliminated and will not be repeated in the future:

- An unauthorized release or discharge (e.g., spill, leak, or discharge of non-storm water not authorized by any NPDES permit) occurs at the facility;
- A discharge that violates a numeric effluent limit;
- AES-PR becomes aware, or EPA determines, that control measures are not stringent enough for the discharge to meet applicable water quality standards;
- An inspection or evaluation of the facility by an EPA official, or local, state, or tribal entity, determines that modifications to the control measures are necessary to meet the non-numeric effluent limits in this permit; or
- AES-PR finds in routine facility inspection, quarterly visual assessments, or comprehensive site inspection that its control measures are not being properly operated and maintained.

5.2. Conditions Requiring Review to Determine if Modifications Are Necessary

If any of the following conditions occur, AES-PR will review the selection, design, installation, and implementation of its control measures to determine if modifications are necessary to meet the effluent limits in the MSGP permit:

- Construction or a change in design, operation, or maintenance at the facility significantly changes the nature of pollutants discharged in storm water from the facility, or significantly increases the quantity of pollutants discharged; or
- The average of four quarterly sampling results exceeds an applicable benchmark. If less than four benchmark samples have been taken, but the results are such that an exceedance of the four quarter average is mathematically certain (i.e., if

the sum of quarterly sample results to date is more than four times the benchmark level) this is considered a benchmark exceedance triggering review.

5.3.Corrective Action Report

AES-PR is required within 24 hours of discovery of any condition listed in Parts 3.1 and 3.2 of the MSGP 2008, to document the following information (i.e., questions 3-5 of the Corrective Actions section in the Annual Reporting Form, provided in Appendix I of the MSGP 2008):

- Identification of the condition triggering the need for corrective action review;
- Description of the problem identified; and
- Date the problem was identified.

Within 14 days of discovery of any condition listed in Parts 3.1 and 3.2, AES-PR will document the following information (i.e., questions 7-11 of the Corrective Actions section in the Annual Reporting Form, provided in Appendix I of the MSGP 2008):

- A summary of corrective action(s) taken or to be taken (or, for triggering events identified in Part 3.2 of the MSGP 2008 where we determine that corrective action is not necessary, the basis for this determination);
- A notice of whether SWPPP modifications are required as a result of this discovery or corrective action;
- The date corrective action initiated; and
- The date corrective action completed or expected to be completed.

AES-PR will submit this documentation in an annual report as required in Part 7.2 of the MSGP 2008 and retain a copy onsite with the SWPPP as required in Part 5.4 of the MSGP 2008.

6.0 Routine Inspections "Sections 4.1, 4.1.1 and 4.1.2 of the MSGP 2008"

6.1.Routine Facility Inspection Procedures

AES-PR will conduct routine facility inspections of all areas of the facility where industrial materials or activities are exposed to storm water, and of all storm water control measures used to comply with the effluent limits contained in this permit. Routine facility inspections will be conducted at least quarterly (i.e., once each calendar quarter) although in many instances, more frequent inspection (e.g., monthly) may be appropriate for some types of equipment, processes, and control measures or areas of the facility with significant activities and materials exposed to storm water. These inspections will be performed during periods when the facility is in operation. AES-PR has specified the relevant inspection schedules in its SWPPP as required in Part 5.1.5 of the MSGP 2008. These routine inspections have been performed by a qualified person with at least one member of the storm water pollution prevention team participating. At least once each calendar year, the routine facility inspection will be conducted during a period when a storm water discharge is occurring.

6.2.Routine Facility Inspection Documentation

AES-PR will document the findings of each routine facility inspection performed and maintain this documentation onsite with its SWPPP as required in Part 5.4 of the MSGP 2008.

AES-PR is not required to submit routine facility inspection findings to EPA, unless specifically requested to do so. At a minimum, documentation of each routine facility inspection will include:

- The inspection date and time;
- The name(s) and signature(s) of the inspector(s);
- Weather information and a description of any discharges occurring at the time of the inspection;

- Any previously unidentified discharges of pollutants from the site;
- Any control measures needing maintenance or repairs;
- Any failed control measures that need replacement;
- Any incidents of noncompliance observed; and
- Any additional control measures needed to comply with the permit requirements.

6.3.Routine Facility Inspection Summary for the 2015 Fourth Quarter

Inspection Members and Background: The 2015 fourth quarter (Q-4) routine facility inspection was performed on **November 16, 2015** by Eng. Pedro E. Labayen, Storm Water Compliance Coordinator, and member of the storm water pollution prevention team for AES-PR. This requirement can be found in Section 4.1.1 and 4.1.2 of the MSGP 2008 and in the Administrative Compliance Order Docket Number CWA-02-2013-3100, Section V – 19.

This report summarizes all site findings related to the requirements identified above and provides recommendations to improve the facility's storm water program to ensure continuous compliance status.

Findings: During the Routine Facility Inspections, two (2) potential conditions that required corrective actions were identified, these are documented in **Appendix E**. None of the conditions were directly related to any unauthorized releases or direct negligence on by AES-PR. In summary, the findings identified were corrected in a timely manner. Further details of this routine facility inspection can be found in **Appendix B** of this document.

7.0 Visual Inspections "Section 4.2, 4.2.1 and 4.2.2 of the MSGP 2008"

7.1.Visual Assessment Procedures

Once each quarter for the entire permit term, AES-PR must collect a storm water sample from each outfall (except as noted in Part 4.2.3) and conduct a visual assessment of each sample. These samples are not required to be collected consistent with 40 CFR Part 136 procedures but are collected in such a manner that the samples are representative of the storm water discharge.

The visual assessment will be made:

- Of a sample in a clean, clear glass, or plastic container, and examined in a well-lit area;
- On samples collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as practicable after the first 30 minutes and you must document why it was not possible to take samples within the first 30 minutes; and
- For storm events, on discharges that occur at least 72 hours (3 days) from the previous discharge. The 72-hour (3-day) storm interval does not apply if you document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period.

AES-PR visually inspects the sample for the following water quality characteristics:

- Color;
- Odor;
- Clarity;
- Floating solids;
- Settled solids;
- Suspended solids;
- Foam;

- Oil sheen; and
- Other obvious indicators of storm water pollution.

7.2.Visual Assessment Documentation

AES-PR documents the results of visual assessments and maintains this documentation onsite with its SWPPP as required in Part 5.4 of the MSGP. Visual assessment findings are not required to be submitted to EPA, unless specifically requested to do so. At a minimum, documentation of the visual assessment includes:

- Sample location(s)
- Sample collection date and time, and visual assessment date and time for each sample;
- Personnel collecting the sample and performing visual assessment, and their signatures;
- Nature of the discharge (i.e., runoff or snowmelt);
- Results of observations of the storm water discharge;
- Probable sources of any observed storm water contamination,
- If applicable, why it was not possible to take samples within the first 30 minutes.

Any corrective action required as a result of a quarterly visual assessment will be performed consistent with Part 3 of the MSGP permit.

7.3.Visual Assessment 2015 Summary Results

Inspection Members and Background: The Quarterly Visual Assessments were performed by Eng. Pedro E. Labayen, the Storm Water Compliance Coordinator and Hector Avila, a member of the storm water pollution prevention team for AES-PR. This requirement can be found in Section 4.3.1, 4.2.2, 4.2.3 and in the Administrative Compliance Order Docket Number CWA-02-2012-3100, Section V – 24.

This report summarizes all site findings related to the requirements identified above and provides recommendations to improve the facility's storm water program to ensure continuous compliance status.

Findings: During 2015, AES-PR conducted storm water visual inspections on outfalls 001, 002 & 003. At sampling point 002, traces of fine settled solids were observed in the sample. The presence of these (soil) solids was due to inbound vehicle traffic from the public dirt road to the plant and not generated from industrial activities in the facility. Corrective actions were taken in order to minimize the tracking of material from the access road to the plant drainage system (**Appendix F**).

In sampling points 001 and 003, visual assessments did not show any evidence or indicators of pollutant discharges from the facility. These results indicated that plant control measures and maintenance activities have been working efficiently and no modifications or additional controls were necessary to meet the effluent limits during this monitoring period.

Corrective Actions: Storm water inlet filters were installed in the grating located at gate #3 to prevent access of soil material from the public dirt road to the culvert and outfall 002. These filters are routinely inspected as part of the plants inspection program and replaced as needed.

8.0 Required Monitoring "Section 6.2 of the MSGP 2008"

MSGP 2008 permit includes five types of required analytical monitoring, only the quarterly benchmark monitoring applies to the AES-PR discharge:

- Quarterly benchmark monitoring (see Part 6.2.1)
- Annual effluent limitations guidelines monitoring (see Part 6.2.2);
- State- or Tribal-specific monitoring (see Part 6.2.3);
- Impaired waters monitoring (see Part 6.2.4); and
- Other monitoring as required by EPA (see Part 6.2.5).

All required monitoring are conducted in accordance with the procedures described in **Appendix B**, Subsection 10.D of the MSGP 2008.

8.1.Benchmark Monitoring

The MSGP permit stipulates pollutant benchmark concentrations that may be applicable to storm water discharges. The benchmark concentrations are not effluent limitations; a benchmark exceedance, therefore, is not a permit violation. Benchmark monitoring data are primarily used to determine the overall effectiveness of the control measures and to assist AES-PR in knowing when additional corrective action(s) may be necessary to comply with the effluent limitations in Part 2 of the MSGP 2008.

8.2.Benchmark Monitoring Schedule

Benchmark monitoring are conducted quarterly, as identified in Part 6.1.7, for the first four full quarters of permit coverage commencing not earlier than April 1, 2009. Facilities in climates with irregular storm water runoff, as described in Part 6.1.6 of the MSGP 2008, may modify this quarterly schedule provided that this revised schedule is reported to EPA when the first benchmark sample is collected and reported, and that this revised schedule is kept with the facility's SWPPP as specified in Part 5.4 of the MSGP 2008.

Data not exceeding benchmarks: After collection of four quarterly samples, if the average of the 4 monitoring values for any parameter does not exceed the benchmark, AES-PR would have fulfilled its monitoring requirements for that parameter for the permit term. For averaging purposes, a value of zero is used for any individual sample parameter, analyzed using procedures consistent with Part 6.2.1.1 of the MSGP 2008, which is determined to be less than the method detection limit. For sample values that fall between the method detection level and the quantitation limit (i.e., a confirmed detection but below the level that can be reliably quantified), a value halfway between zero and the quantitation limit is used.

Data exceeding benchmarks: After collection of four quarterly samples, if the average of the four monitoring values for any parameter exceeds the benchmark, in accordance with Part 3.2, review the selection, design, installation, and implementation of control measures are reviewed to determine if modifications are necessary to meet the effluent limits in this permit, and either:

- Make the necessary modifications and continue quarterly monitoring until you have completed four additional quarters of monitoring for which the average does not exceed the benchmark; or
- Make a determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of this permit, in which case once per year monitoring will continue. The rationale for concluding that no further pollutant reductions are achievable will be documented and all records related to this documentation retained with the SWPPP. EPA will be notified of this determination in the next benchmark monitoring report.

In accordance with Part 3.2, control measures will be reviewed and any required corrective action performed immediately (or document why no corrective action is required), without waiting for the full four quarters of monitoring data, if an exceedance

of the four quarter average is mathematically certain. If after modifying the control measures and conducting four additional quarters of monitoring, the average still exceeds the benchmark (or if an exceedance of the benchmark by the four quarter average is mathematically certain prior to conducting the full four additional quarters of monitoring), the control measure will be reviewed to take one of the two actions above.

8.3.Benchmark Monitoring Analysis "Section 6.2 of the MSGP 2008"

Inspection Members and Background: The Quarterly Benchmark Monitoring Analysis was performed by Eng. Pedro E. Labayen, Storm water Compliance Coordinator and member of the storm water pollution prevention team for AES-PR. This requirement can be found in Section 6.1.3, 6.1.4, 6.1.5, 6.1.7, 6.2.1.1, 6.2.1.2, 8.0.7 (Sector Specific benchmark for steam electric power generating facilities) and Part 8.Q.6 (sector-specific for water transportation) of the MSGP 2008 and in the Administrative Compliance Order Docket Number CWA-02-2013-3100, Section V – 25 & 26.

This report summarizes all findings related to the requirements identified above and provides recommendations to improve the facility's storm water program to ensure continuous compliance status.

Findings: During 2015, AES-PR conducted monitoring activities on outfalls 001, 002 & 003. At each sampling point monitored, laboratory results showed that the average of the last four monitoring values for all parameters do not exceed the benchmark concentration value (**Appendix C**). These results indicated that plant control measures and maintenance activities have been working efficiently. No modifications were necessary to meet the benchmark concentration during this monitoring period.

Appendix A - Comprehensive Annual Evaluation 2015

AES Puerto Rico

Storm Water Industrial Routine Facility Inspection Report — Worksheet No. 5

General Information			
Facility Name	AES Puerto Rico, L.P.		
NPDES Tracking No.	PRR05BL65		
Date of Inspection	August 31, 2015	**Start/End Time**	2:00 pm / 4:00 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Environmental Engineer		

Weather Information

Weather at time of this inspection?
☑ Clear ❑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ Snow ❑ High Winds
❑ Other: Temperature: 88°F

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑ No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ☑ No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

	Structural Control Measure	**Control Measure is Operating Effectively?**	**If No, In Need of Maintenance, Repair, or Replacement?**	**Corrective Action Needed and Notes** (identify needed maintenance and repairs, or any failed control measures that need replacement)
1	Water Treatment Berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
2	Coal Pile Run-off Sediment trap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
3	Limestone Dome	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
4	Agremax Pile Gabion Wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
5	Oil Separator Heavy Equipment Shop	☑Yes ❑No	❑ Maintenance ☑ Repair ❑ Replacement	A new water pump was installed at the oil water separator for proper operation of the system.
6	Fuel Oil Secondary Containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
7	Oil Drum Storage Shed	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
8	Soda Ash Secondary Containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
9	Acid/Caustic Secondary Containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The secondary containment epoxy paint should be scheduled to be retouched in some areas.
10	Marine Dock Wash Holding Tank	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
11	Wheel Washer	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
12	Roll up cover for waste dumpsters	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	New roll up covers were installed in the recycling and domestic waste containers.
13	Reinforced silt fence	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Reinforced silt fence membrane was replaced as needed.
14	Catch basin inlet protection	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	Catch basin drain guards were replaced. The guards were properly installed at designated storm water inlets.
15	Cooling tower containment structure	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
16	Unpaved road stabilization	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
17	CDS/ESP containment area	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
18	Dust suppression system for Agremax	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
19	Dust suppression system for truck unloading area	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
20	Limestone silo secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
21	Coal transfer dust suppression system	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
22	Coal conveyor cover	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
23	Water Truck	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
24	Mechanical sweeper	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	The sweeper recently purchased by AES-PR was placed in operation. A designated person was trained on the proper use of the equipment.

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Inspected?	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed and Notes
1	**Material loading/unloading and storage areas (Agremax, Limestone, Coal Storages)**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
2	**Heavy Equipment operations and maintenance areas**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
3	**Fueling areas (Heavy Equipment Fueling and Storage Tank Unloading)**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
4	**Outdoor vehicle and equipment washing areas**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
5	**Waste handling and disposal areas**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
6	**Erodible (Coal Pile, Agremax Pile)**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
7	**Non-stormwater/ illicit connections**	☑Yes ❑No ❑ N/A	☑Yes ❑No	No illicit connections were found.
8	**Dust generation and vehicle tracking**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
9	**Water Treatment Area**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
10	**Power Block Area**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
11	**Administration Building Area**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
12	**2 MG and 18 MG Pond Area**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
13	**Marine Dock Area**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
14	**Stormwater Sample Point #001**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
15	**Stormwater Sample Point #002**	☑Yes ❑No ❑ N/A	☑Yes ❑No	

	Area/Activity	Inspected?	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed and Notes
16	**Stormwater Sample Point #003**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
17	**Run-on storm water conveyance system**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
18	**Run-off Storm Water conveyance system**	☑Yes ❑No ❑ N/A	☑Yes ❑No	
19	**Process water conveyance system**	☑Yes ❑No ❑ N/A	☑Yes ❑No	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

AES Puerto Rico

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Pedro E. Labayen / SW Compliance Coordinator

Signature: Pedro E Labayen **Date:** Sep 4, 2015

Worksheet No.7

NPDES Permit Tracking No.: PRR05BL65

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

Annual Reporting Form

A. GENERAL INFORMATION

1. Facility Name: AES PUERTO RICO LP

2. NPDES Permit Tracking No.: PRR05BL65

3. Facility Physical Address:

a. Street: KM 142 STATE ROAD PR-3

b. City: GUAYAMA c. State: PR d. Zip Code: 00784-

4. Lead Inspectors Name: HECTOR M AVILA Title: ENVIRONMENTAL COORD

Additional Inspectors Name(s): PEDRO E. LABAYEN COMPLIANCE COORD

5. Contact Person: HECTOR M AVILA Title: ENVIRONMENTAL COORD

Phone: 787-866-8117 Ext. 2266 E-mail: hector.avila@aes.com

6. Inspection Date: 08/31/2015

B. GENERAL INSPECTION FINDINGS

1. As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?
☒ YES ☐ NO

If NO, describe why not:

NOTE: *Complete Section C of this form for each industrial activity area inspected and included in your SWPPP or as newly identified in B.2 or B.3 below where pollutants may be exposed to stormwater.*

2. Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in your SWPPP? ☐YES ☒ NO

If YES, for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place:

Worksheet No.7

NPDES Permit Tracking No.:
P	R	R	0	5	B	L	6	5	

3. Did this inspection identify any sources of stormwater or non-stormwater discharges not previously identified in your SWPPP? ☐ YES ☒ NO

If YES, describe these sources of stormwater or non-stormwater pollutants expected to be present in these discharges, and any control measures in place:

4. Did you review stormwater monitoring data as part of this inspection to identify potential pollutant hot spots? ☒ YES ☐ NO ☐ NA, no monitoring performed

If YES, summarize the findings of that review and describe any additional inspection activities resulting from this review:

Stormwater monitoring data were reviewed (**Attachment 1**) and did not result in identification of additional pollutant hot spots.

5. Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measures to prevent scouring:

6. Have you taken or do you plan to take any corrective actions, as specified in Part 3 of the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any corrective actions identified as a result of this annual comprehensive site inspection?

☒ YES ☐ NO

If YES, how many conditions requiring review for correction action as specified in Parts 3.1 and 3.2 were addressed by these corrective actions? | 0 | 3 |

NOTE: *Complete the attached Corrective Action Form (Section D) for each condition identified, including any conditions identified as a result of this comprehensive stormwater inspection.*

C. INDUSTRIAL ACTIVITY AREA SPECIFIC FINDINGS

Complete one block for each industrial activity area where pollutants may be exposed to stormwater. Copy this page for additional industrial activity areas.

In reviewing each area, you should consider:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials from areas of no exposure to exposed areas; and
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas.

INDUSTRIAL ACTIVITY AREA 1:

1. Brief Description:

Material loading/unloading and storage areas (Agremax, Limestone, Coal Storage).

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised control measures necessary in this area? ☒ YES ☐ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

A dust control plan for the CCP and Agremax storage areas was requested by EPA-CEPD under Administrative Order on Consent Docket Number CWA-02-2015-3102.

INDUSTRIAL ACTIVITY AREA 2:

1. Brief Description:

Heavy equipment operations and maintenance areas.

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised c necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA 3:

Brief Description:

Fueling areas (Heavy Equipment Fueling and Storage Tank Unloading)

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised BMPs necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

Worksheet No.7

NPDES Permit Tracking No.:
PRR05BL65

C. INDUSTRIAL ACTIVITY AREA SPECIFIC FINDINGS

Complete one block for each industrial activity area where pollutants may be exposed to stormwater. Copy this page for additional industrial activity areas.

In reviewing each area, you should consider:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials from areas of no exposure to exposed areas; and
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas.

INDUSTRIAL ACTIVITY AREA __4__:

1. Brief Description:

Outdoor vehicle and equipment washing areas.

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO

3. Have any control measures failed and require replacement? ☐ YES ☒ NO

4. Are any additional/revised control measures necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA __5__:

1. Brief Description:

Waste handling and disposal areas.

2. Are any control measures in need of maintenance or repair? ☒ YES ☐ NO

3. Have any control measures failed and require replacement? ☐ YES ☒ NO

4. Are any additional/revised c necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

Solid waste and recycling containers covers were under repair. New container covers were purchased and installed in order to minimize exposure to rain. As an immediate action, containers were temporary located in a non-stormwater discharge drainage area.

INDUSTRIAL ACTIVITY AREA __6__:

Brief Description:

Access roads, dust generation and vehicle tracking areas.

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO

3. Have any control measures failed and require replacement? ☐ YES ☒ NO

4. Are any additional/revised BMPs necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

A dust control plan was developed for the CCP and Agremax storage areas. The plan includes vehicle traffic areas with the potential for vehicle tracking.

Worksheet No.7

NPDES Permit Tracking No.:
PRR05BL65

C. INDUSTRIAL ACTIVITY AREA SPECIFIC FINDINGS

Complete one block for each industrial activity area where pollutants may be exposed to stormwater. Copy this page for additional industrial activity areas.

In reviewing each area, you should consider:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials from areas of no exposure to exposed areas; and
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas.

INDUSTRIAL ACTIVITY AREA 7:

1. Brief Description:

Water Treatment Area.

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised control measures necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA 8:

1. Brief Description:

Power Block Area.

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised c necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA 9:

Brief Description:

2 MG and 18 MG Pond Area.

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised BMPs necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

A seal problem in one of the pumps that supply water to the cooling towers was causing a small leakage at the wastewater (18 MM pond) pump station area. The leakage was contained in a diked area to prevent access to storm water drainage.

Worksheet No.7

NPDES Permit Tracking No.:
P R R 0 5 B L 6 5

C. INDUSTRIAL ACTIVITY AREA SPECIFIC FINDINGS

Complete one block for each industrial activity area where pollutants may be exposed to stormwater. Copy this page for additional industrial activity areas.

In reviewing each area, you should consider:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials from areas of no exposure to exposed areas; and
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas.

INDUSTRIAL ACTIVITY AREA __10__:

1. Brief Description:

Marine Dock Area

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised control measures necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA __11__:

1. Brief Description:

CDS/ESP Area

2. Are any control measures in need of maintenance or repair? ☐ YES ☒ NO
3. Have any control measures failed and require replacement? ☐ YES ☒ NO
4. Are any additional/revised c necessary in this area? ☐ YES ☒ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

INDUSTRIAL ACTIVITY AREA ___:

Brief Description:

2. Are any control measures in need of maintenance or repair? ☐ YES ☐ NO
3. Have any control measures failed and require replacement? ☐ YES ☐ NO
4. Are any additional/revised BMPs necessary in this area? ☐ YES ☐ NO

If YES to any of these three questions, provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action Form)

Worksheet No.7

NPDES Permit Tracking No.:
PRR05BL65

D. CORRECTIVE ACTIONS

Complete this page for each specific condition requiring a corrective action or a review determining that no corrective action is needed. Copy this page for additional corrective actions or reviews.

Include both corrective actions that have been initiated or completed since the last annual report, and future corrective actions needed to address problems identified in this comprehensive stormwater inspection. Include an update on any outstanding corrective actions that had not been completed at the time of your previous annual report.

1. Corrective Action # 01 of 03 for this reporting period.

2. Is this corrective action:

- ☐ An update on a corrective action from a previous annual report; or
- ☒ A new corrective action?

3. Identify the condition(s) triggering the need for this review:

- ☐ Unauthorized release or discharge
- ☐ Numeric effluent limitation exceedance
- ☐ Control measures inadequate to meet applicable water quality standards
- ☐ Control measures inadequate to meet non-numeric effluent limitations
- ☐ Control measures not properly operated or maintained
- ☐ Change in facility operations necessitated change in control measures
- ☐ Average benchmark value exceedance
- ☒ Other (describe): Seal leak

4. Briefly describe the nature of the problem identified:

A seal problem in one of the pumps that supply water to the cooling towers was causing a small leakage at the wastewater (18 MM pond) pump station area.

5. Date problem identified: 06 / 22 / 2015

6. How problem was identified:

- ☐ Comprehensive site inspection
- ☐ Quarterly visual assessment
- ☒ Routine facility inspection
- ☐ Benchmark monitoring
- ☐ Notification by EPA or State or local authorities
- ☐ Other (describe): _____

7. Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analyses to be conducted, etc.) or if no modifications are needed, basis for that determination:

The leakage was contained in a diked area to prevent access to storm water drainage. A work order was immediately generated to replace the pump seals, repair the pump drainage system and correct the problem.

8. Did/will this corrective action require modification of your SWPPP? ☐ YES ☒ NO

9. Date corrective action initiated: 06 / 22 / 2015

10. Date correction action completed: 08 / 06 / 2015 or expected to be completed: ___ / ___ / ____

11. If corrective action not yet completed, provide the status of corrective action at the time of the comprehensive site inspection and describe any remaining steps (including timeframes associated with each step) necessary to complete corrective action:

Worksheet No.7

NPDES Permit Tracking No.:
PRR05BL65

D. CORRECTIVE ACTIONS

Complete this page for each specific condition requiring a corrective action or a review determining that no corrective action is needed. Copy this page for additional corrective actions or reviews.

Include both corrective actions that have been initiated or completed since the last annual report, and future corrective actions needed to address problems identified in this comprehensive stormwater inspection. Include an update on any outstanding corrective actions that had not been completed at the time of your previous annual report.

1. Corrective Action # 02 of 03 for this reporting period.

2. Is this corrective action:

- ☐ An update on a corrective action from a previous annual report; or
- ☒ A new corrective action?

3. Identify the condition(s) triggering the need for this review:

- ☐ Unauthorized release or discharge
- ☐ Numeric effluent limitation exceedance
- ☐ Control measures inadequate to meet applicable water quality standards
- ☐ Control measures inadequate to meet non-numeric effluent limitations
- ☐ Control measures not properly operated or maintained
- ☐ Change in facility operations necessitated change in control measures
- ☐ Average benchmark value exceedance
- ☒ Other (describe): Consent order

4. Briefly describe the nature of the problem identified:

A dust control plan for the CCP and Agremax storage areas was requested by EPA-CEPD under Administrative Order on Consent Docket Number CWA-02-2015-3102.

5. Date problem identified: 01 / 28 / 2015

6. How problem was identified:

- ☐ Comprehensive site inspection
- ☐ Quarterly visual assessment
- ☐ Routine facility inspection
- ☐ Benchmark monitoring
- ☐ Notification by EPA or State or local authorities
- ☒ Other (describe): Consent order

7. Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analyses to be conducted, etc.) or if no modifications are needed, basis for that determination:

AES-PR has developed and implemented a Dust Control Plan for the minimization and control of dust from the coal combustion residuals and Agremax handling activities at the site. A new industrial sweeper was purchased to minimize the off-site tracking of materials.

8. Did/will this corrective action require modification of your SWPPP? ☒ YES ☐ NO

9. Date corrective action initiated: 03 / 23 / 2015

10. Date correction action completed: 06 / 08 / 2015 or expected to be completed: ___ / ___ / ____

11. If corrective action not yet completed, provide the status of corrective action at the time of the comprehensive site inspection and describe any remaining steps (including timeframes associated with each step) necessary to complete corrective action:

Worksheet No.7

NPDES Permit Tracking No.: PRR05BL65

D. CORRECTIVE ACTIONS

Complete this page for each specific condition requiring a corrective action or a review determining that no corrective action is needed. Copy this page for additional corrective actions or reviews.

Include both corrective actions that have been initiated or completed since the last annual report, and future corrective actions needed to address problems identified in this comprehensive stormwater inspection. Include an update on any outstanding corrective actions that had not been completed at the time of your previous annual report.

1. Corrective Action # 03 of 03 for this reporting period.

2. Is this corrective action:

- ☐ An update on a corrective action from a previous annual report; or
- ☒ A new corrective action?

3. Identify the condition(s) triggering the need for this review:

- ☐ Unauthorized release or discharge
- ☐ Numeric effluent limitation exceedance
- ☐ Control measures inadequate to meet applicable water quality standards
- ☐ Control measures inadequate to meet non-numeric effluent limitations
- ☐ Control measures not properly operated or maintained
- ☐ Change in facility operations necessitated change in control measures
- ☐ Average benchmark value exceedance
- ☒ Other (describe): BMP replacement

4. Briefly describe the nature of the problem identified:

Solid waste and recycling containers covers were under repair.

5. Date problem identified: 06 / 22 / 2015

6. How problem was identified:

- ☐ Comprehensive site inspection
- ☐ Quarterly visual assessment
- ☒ Routine facility inspection
- ☐ Benchmark monitoring
- ☐ Notification by EPA or State or local authorities
- ☐ Other (describe): _____

7. Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analyses to be conducted, etc.) or if no modifications are needed, basis for that determination:

As an immediate action, containers were temporary located in a non-stormwater discharge drainage area. New roll-off container covers were purchased by AES-PR and were properly installed in each solid waste and recycling container to minimize exposure to rain.

8. Did/will this corrective action require modification of your SWPPP? ☐ YES ☒ NO

9. Date corrective action initiated: 06 / 22 / 2015

10. Date correction action completed: 08 / 05 / 2015 or expected to be completed: ___ / ___ / ____

11. If corrective action not yet completed, provide the status of corrective action at the time of the comprehensive site inspection and describe any remaining steps (including timeframes associated with each step) necessary to complete corrective action:

Worksheet No.7

NPDES Permit Tracking No.: PRR05BL65

E. ANNUAL REPORT CERTIFICATION

1. Compliance Certification

Do you certify that your annual inspection has met the requirements of Part 4.3 of the permit, and that, based upon the results of this inspection, to the best of your knowledge, you are in compliance with the permit? ☒ YES ☐ NO

If NO, summarize why you are not in compliance with the permit:

2. Annual Report Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Representative Printed Name: MANUEL MATA Title: PLANT MANAGER

Signature: _____ Date Signed: 10/14/2015

Appendix B - Routine Facility Inspection

October 2015 to December 2015

Storm Water Industrial Routine Facility Inspection Form — Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	November 16, 2015	**Start/End Time**	1:00 pm – 4:00 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		

Weather Information

Weather at time of this inspection?
❑ Clear ☑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ High Winds
❑ Other: Temperature: 84°F

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ☑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ☑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
02	Concrete wall	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
03	Rip rap	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
04	Concrete swale	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
05	Run-on inlet grate	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	
06	Polymer secondary containment	☑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
08	Oil / Water Separator	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
East Access Road Area				
09	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
10	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
11	Concrete swale next to switch yard	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Liquid Urea Storage Area				
12	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
13	Slope liner	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
14	Truck secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
15	Tank secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
16	Concrete berm	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
17	Concrete channel culvert inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Oil Drums Storage				
18	Covered secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Ash Silos- spout				
19	Ash silos	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
20	Spout connection	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
21	Water spray nozzles	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
		Diesel Fuel Storage		
23	Tank truck secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
24	Tanks secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
25	Drip pans for vehicle / equipment fueling	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
		Agremax Stockpile		
26	Gabion wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
27	10 feet buffer zone	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
28	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
32	Covered conveyors	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
35	Wheel wash	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
37	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
		Gate #3		
39	Road grating (2)	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
40	Curb	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
41	Curb riprap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
42	Slope liner	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
43	Outfall riprap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
45	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Agremax Stockpile Perimeter Road				
48	Gravel cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
49	Concrete channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
50	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
51	Run on outfall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Coal Stockpile				
52	Runoff pond	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
53	Super silt fence	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
54	Sediment trap	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
55	Concrete swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
56	Wheel washer	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
57	Riprap in channel and slopes	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
62	Oil / Water Separator	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
63	Used oil storage tank and drums secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
64	Recyclable metals roll-off container cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
66	Earthen berm on west side	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
67	Low wall on north side	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
68	Trapezoidal swale	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
70	Slope liners	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Cooling Tower				
71	Secondary containment dike	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
73	Soda ash silo secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
74	Acid / caustic tank truck unloading secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
76	Curb inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
78	Mercury control chemicals covered storage dike	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Storm Water Runoff Pond				
80	Concrete weir	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
82	Sediment accumulation control	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
83	Chemicals secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
86	Low wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
87	Riprap in channel and slopes	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
88	Concrete wall	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
89	Concrete beam	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
90	Box culvert	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
91	Sampling Point Outfall 003	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
Marine Dock				
92	Collection manifold	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
93	Pier secondary containment	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
94	Sampling Point Outfall 001	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	
95	Conveyor TCI	☑Yes ☐No	☐ Maintenance ☐ Repair ☐ Replacement	

Areas of Industrial Materials or Activities exposed to stormwater
Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	☑Yes ☐No ☐ N/A	
2	Heavy equipment operations and maintenance areas	☑Yes ☐No ☐ N/A	A temporary maintenance area identified at the east side of plant will be relocated in order to minimize exposure to stormwater.
3	Fueling areas (heavy equipment fueling and storage tank unloading)	☑Yes ☐No ☐ N/A	
4	Outdoor vehicle and equipment washing areas	☑Yes ☐No ☐ N/A	
5	Waste handling and disposal areas	☑Yes ☐No ☐ N/A	
6	Erodible stockpiles (coal, Agremax)	☑Yes ☐No ☐ N/A	
7	Non-stormwater/ illicit connections	☑Yes ☐No ☐ N/A	
8	Dust generation and vehicle tracking	☑Yes ☐No ☐ N/A	
9	Water Treatment Area	☑Yes ☐No ☐ N/A	
10	Power Block Area	☑Yes ☐No ☐ N/A	
11	Administration Building Area	☑Yes ☐No ☐ N/A	
12	2 Million- gallon and 18 Million-gallon Pond Area	☑Yes ☐No ☐ N/A	
13	Marine Dock Area	☑Yes ☐No ☐ N/A	
14	Stormwater Sample Point 001	☑Yes ☐No ☐ N/A	
15	Stormwater Sample Point 002	☑Yes ☐No ☐ N/A	Drain guards were installed in grating at gate #3 to protect stormwater drainage and sampling area.
16	Stormwater Sample Point 003	☑Yes ☐No ☐ N/A	

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	☑Yes ❑No ❑ N/A	
18	Run-off storm water conveyance system	☑Yes ❑No ❑ N/A	
19	Process water conveyance system	☑Yes ❑No ❑ N/A	
20	CDS/ESP Area	☑Yes ❑No ❑ N/A	
21	Polymer application at 2 MM-gallon pond area	☑Yes ❑No ❑ N/A	
22	18 MM-gallon Pond Transfer Pumps	☑Yes ❑No ❑ N/A	
23	Coal Crusher Building	☑Yes ❑No ❑ N/A	
24	Portable Toilets	☑Yes ❑No ❑ N/A	

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

The overflow pipe from one of the ash wetting tanks will be relocated in order to collect the water in the non-discharge water pond for reuse.

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Pedro E. Labayen / SHO Compliance Coord.

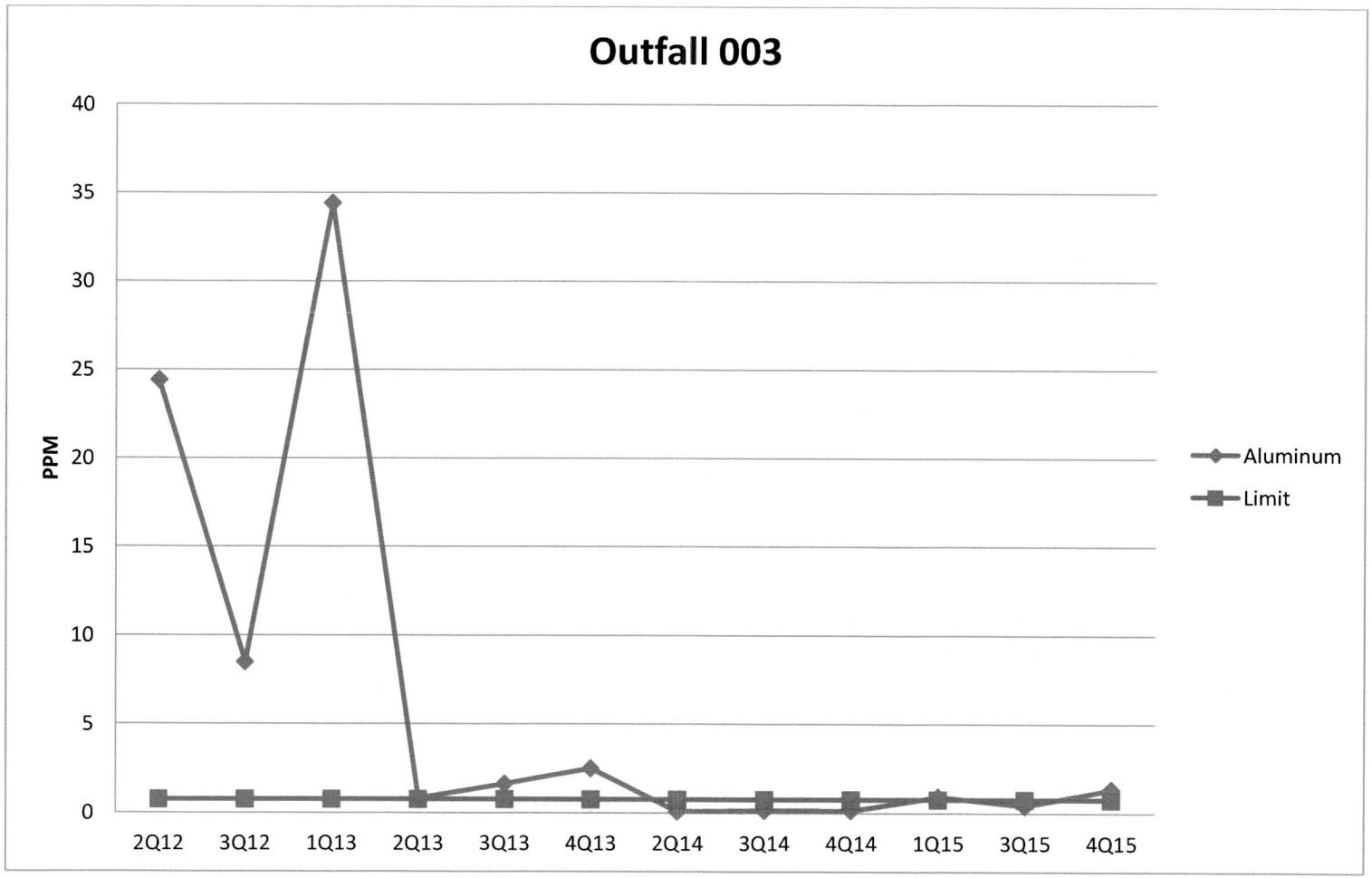
Signature: Pedro E. Labayen **Date:** Nov 16, 2015

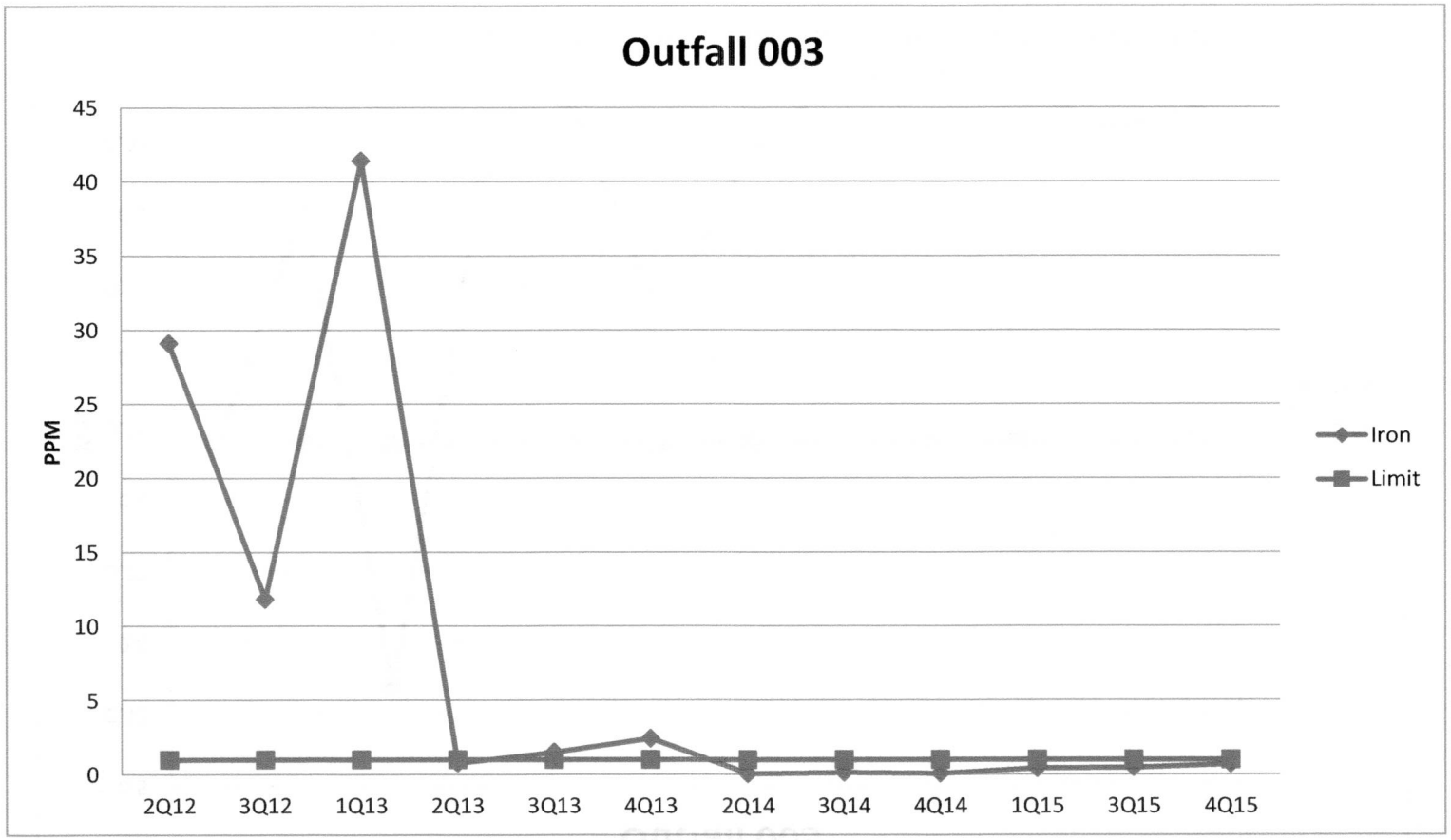
Appendix C – Summary of Benchmark Monitoring

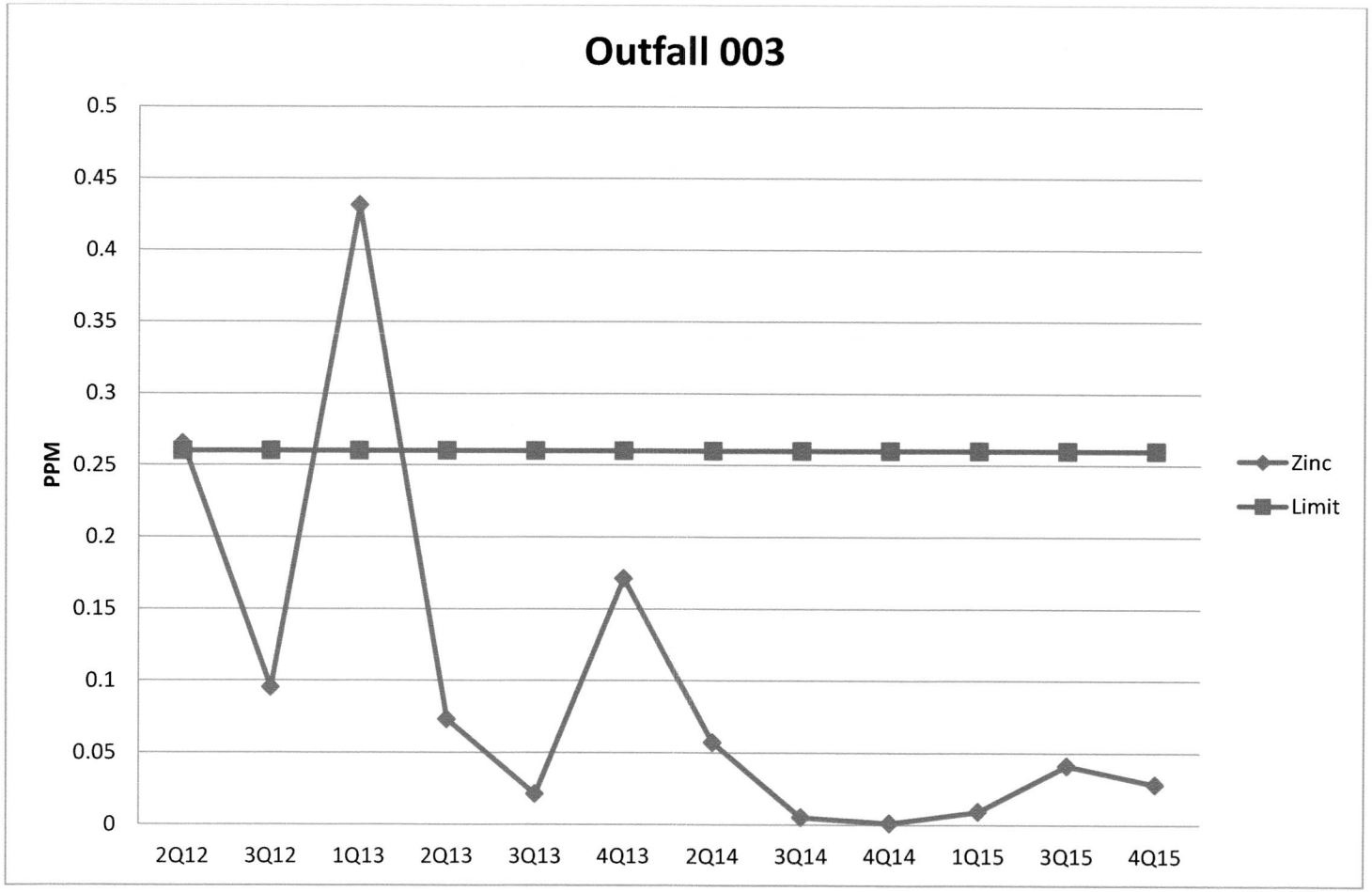
AES Puerto Rico, L.P.
Benchmark Monitoring Results Summary
Year 2015

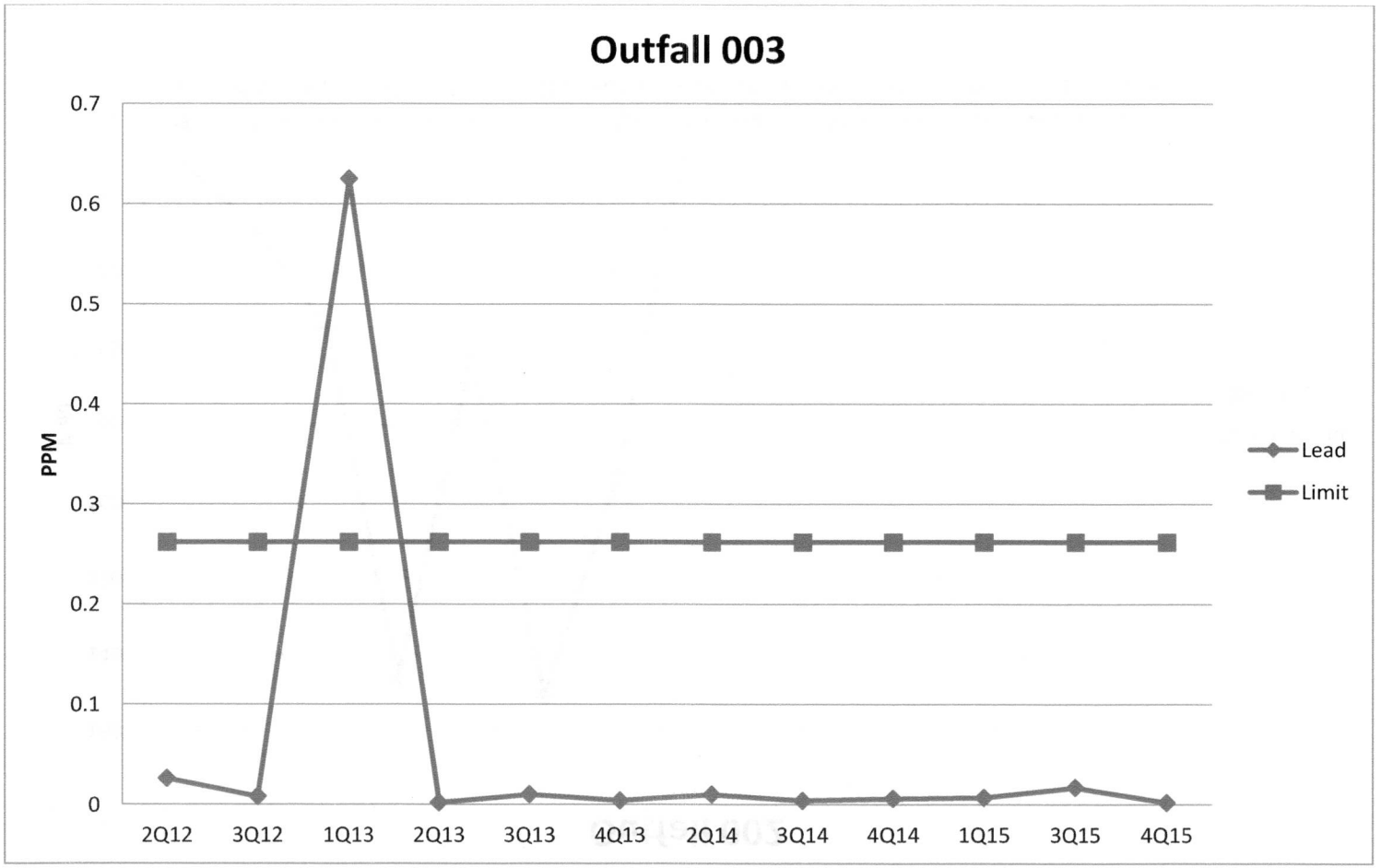
Quarter	Period	*Outfall 001*				*Outfall 002*				*Outfall 003*			
		Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)
4	*OCT-DEC 2014*	0.244	0.240	0.001	0.016	0.063	0.364	0.001	0.026	0.055	0.124	0.006	0.001
1	*JAN-MAR 2015*	0.344	0.568	0.002	0.124	0.272	0.947	0.004	0.006	0.396	0.912	0.007	0.009
2	*ABR-JUN 2015*	0.332	0.463	0.010	0.079	0.344	0.448	0.027	0.011	ND	ND	ND	ND
3	*JUL-SEP 2015*	0.755	0.684	0.008	0.161	0.034	0.050	0.021	0.009	0.452	0.405	0.017	0.041
4	*OCT-DEC 2015*	0.232	0.496	0.002	0.024	0.292	0.459	0.002	0.012	0.682	1.330	0.002	0.028
Quarterly Average		0.477	0.572	0.007	0.121	0.236	0.476	0.014	0.010	0.400	0.690	0.01	0.02
Benchmark Concentration		1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260	1.00	0.75	0.26	0.26

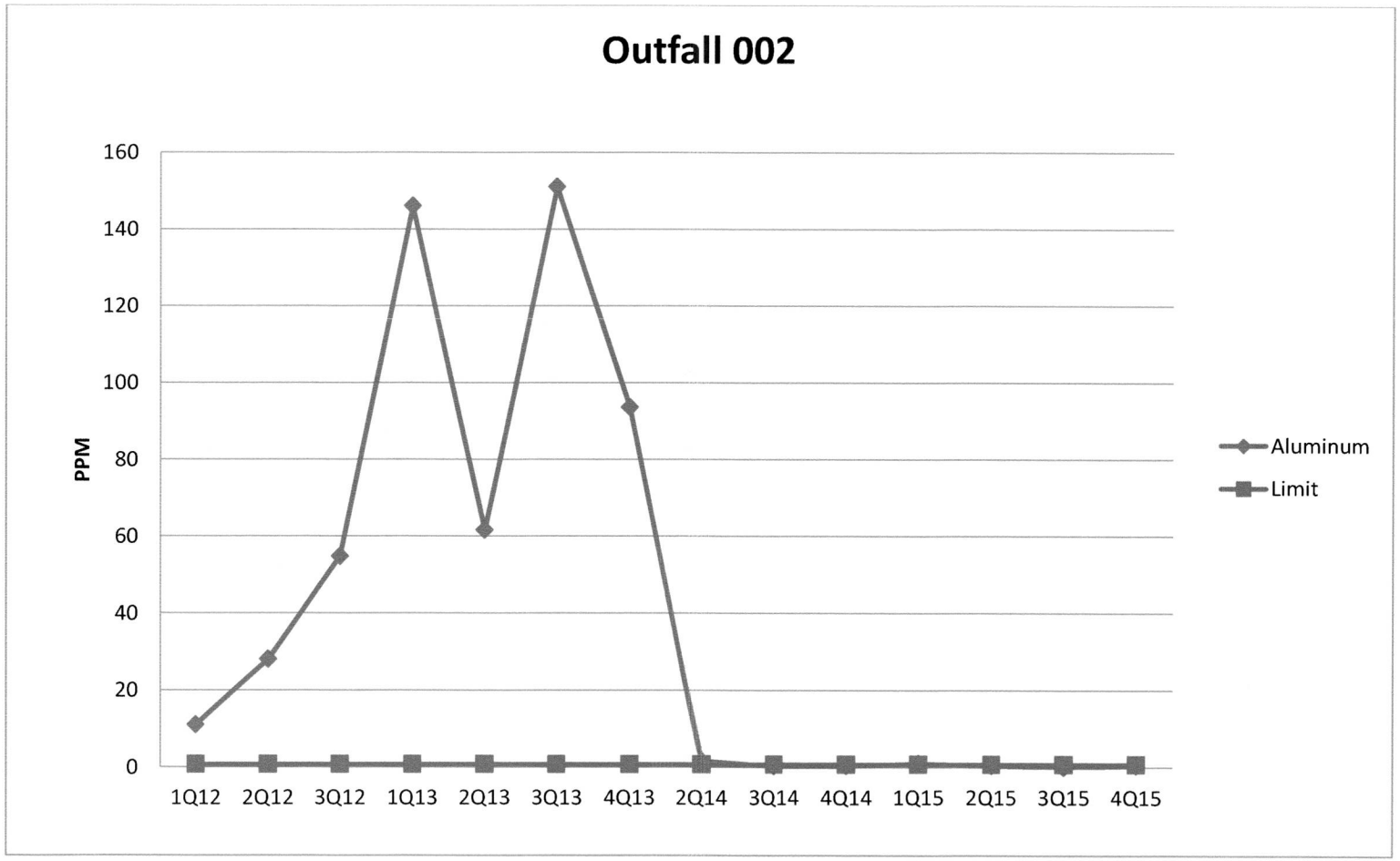
ND = No Discharge

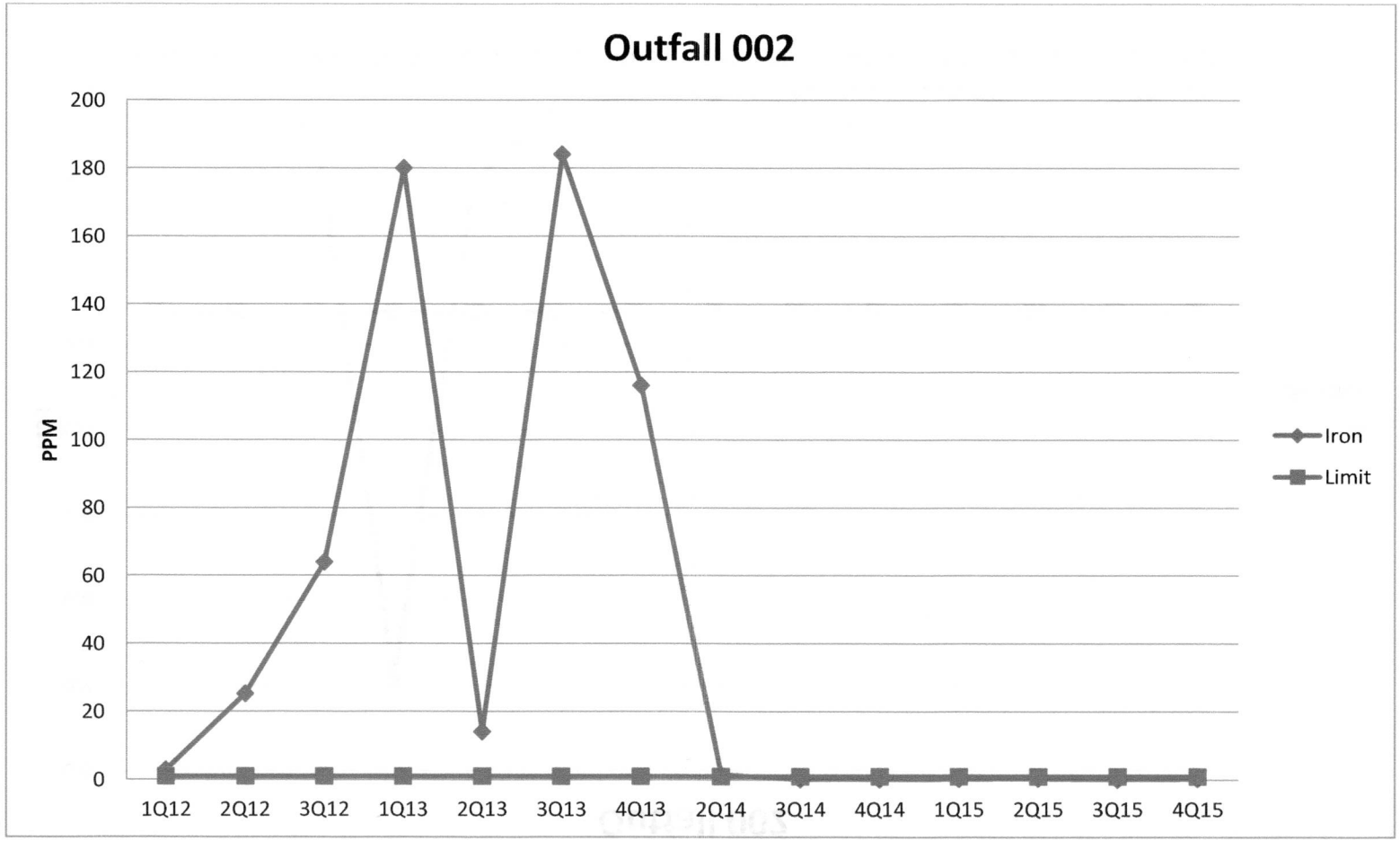

Outfall 003
PPM
40
35
30
25
20
15
10
5
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
Aluminum
Limit

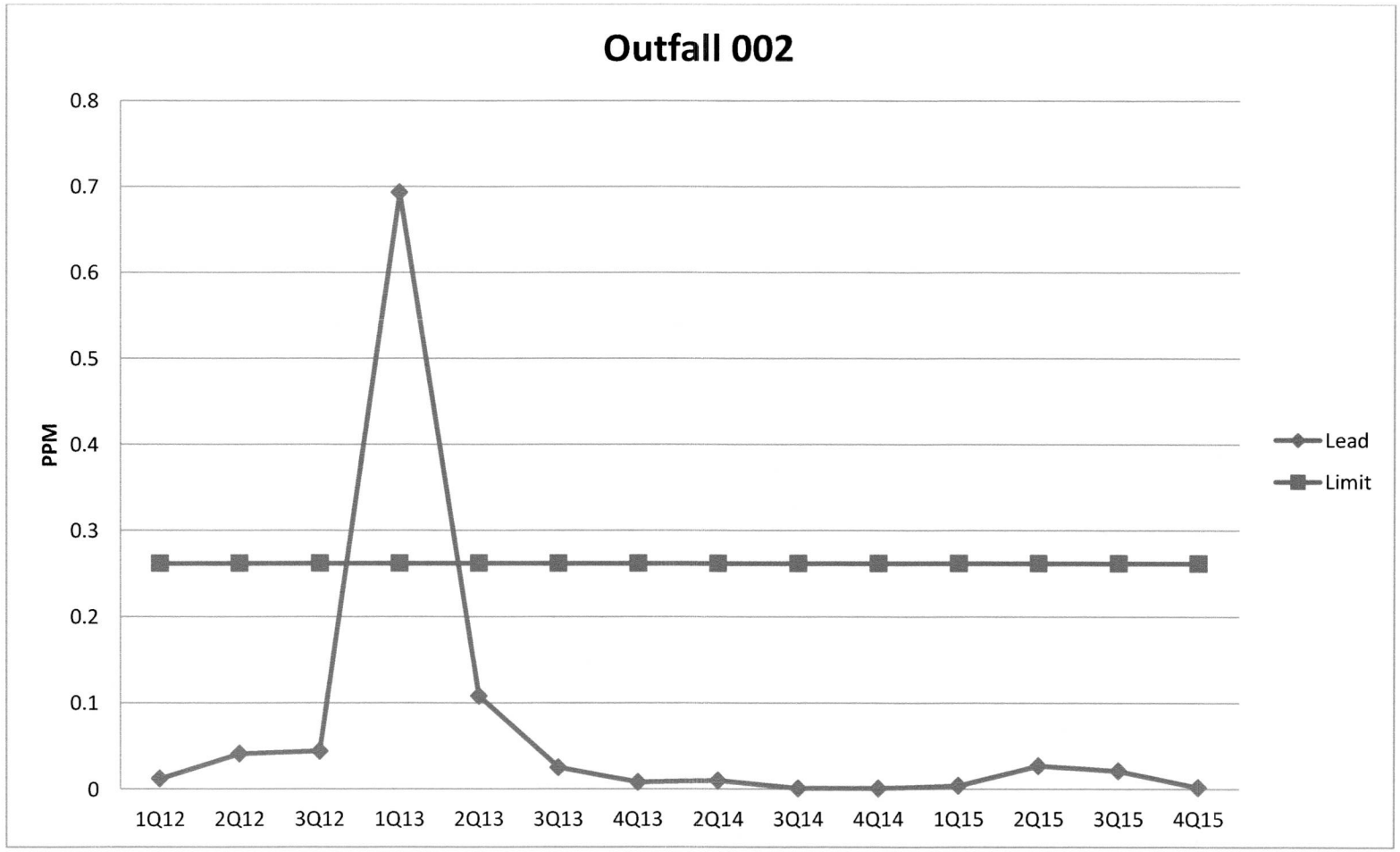

Outfall 003
45
40
35
30
25
20
15
10
5
0
PPM
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
Iron
Limit

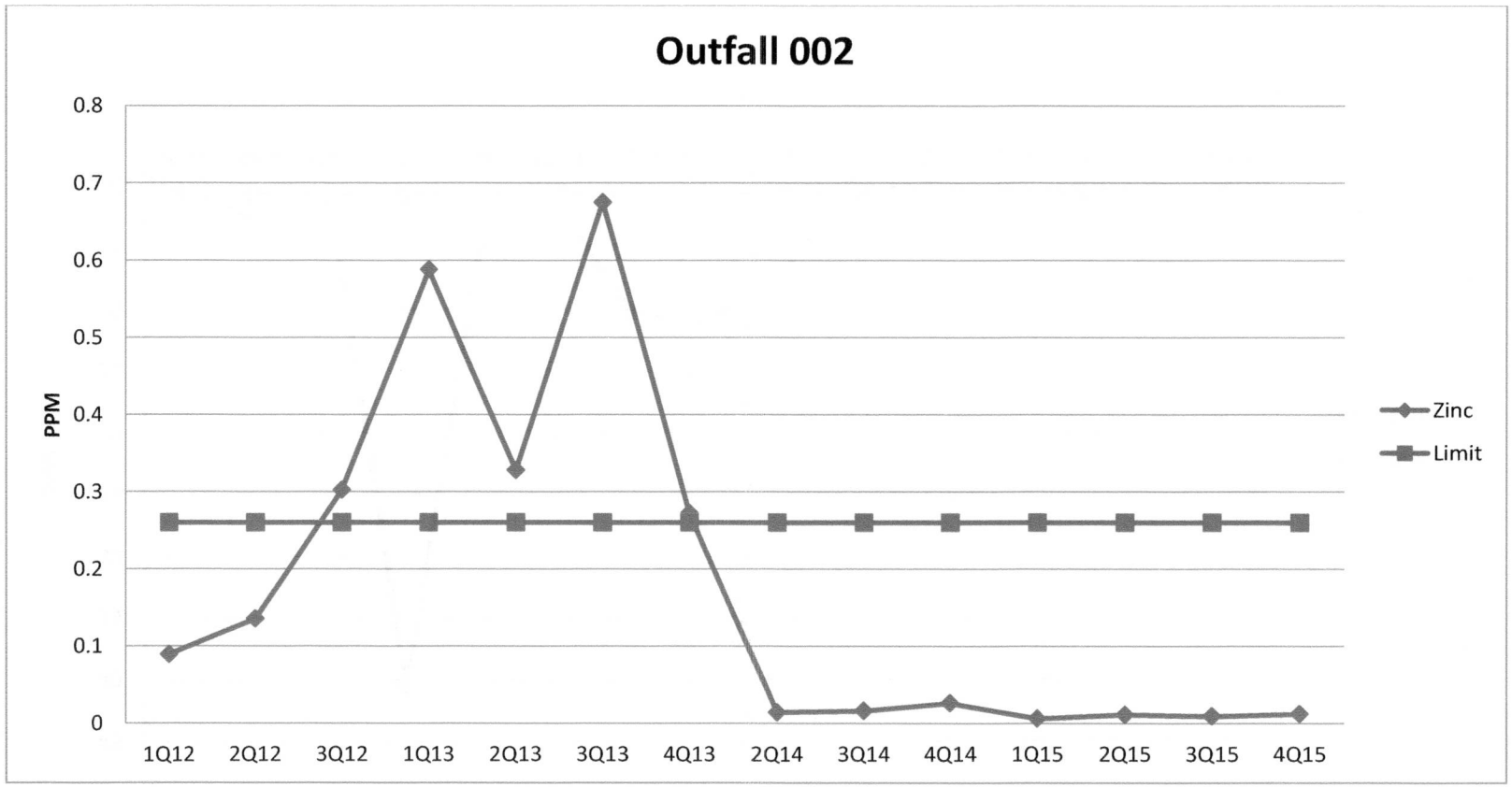

Outfall 003
PPM
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
Zinc
Limit

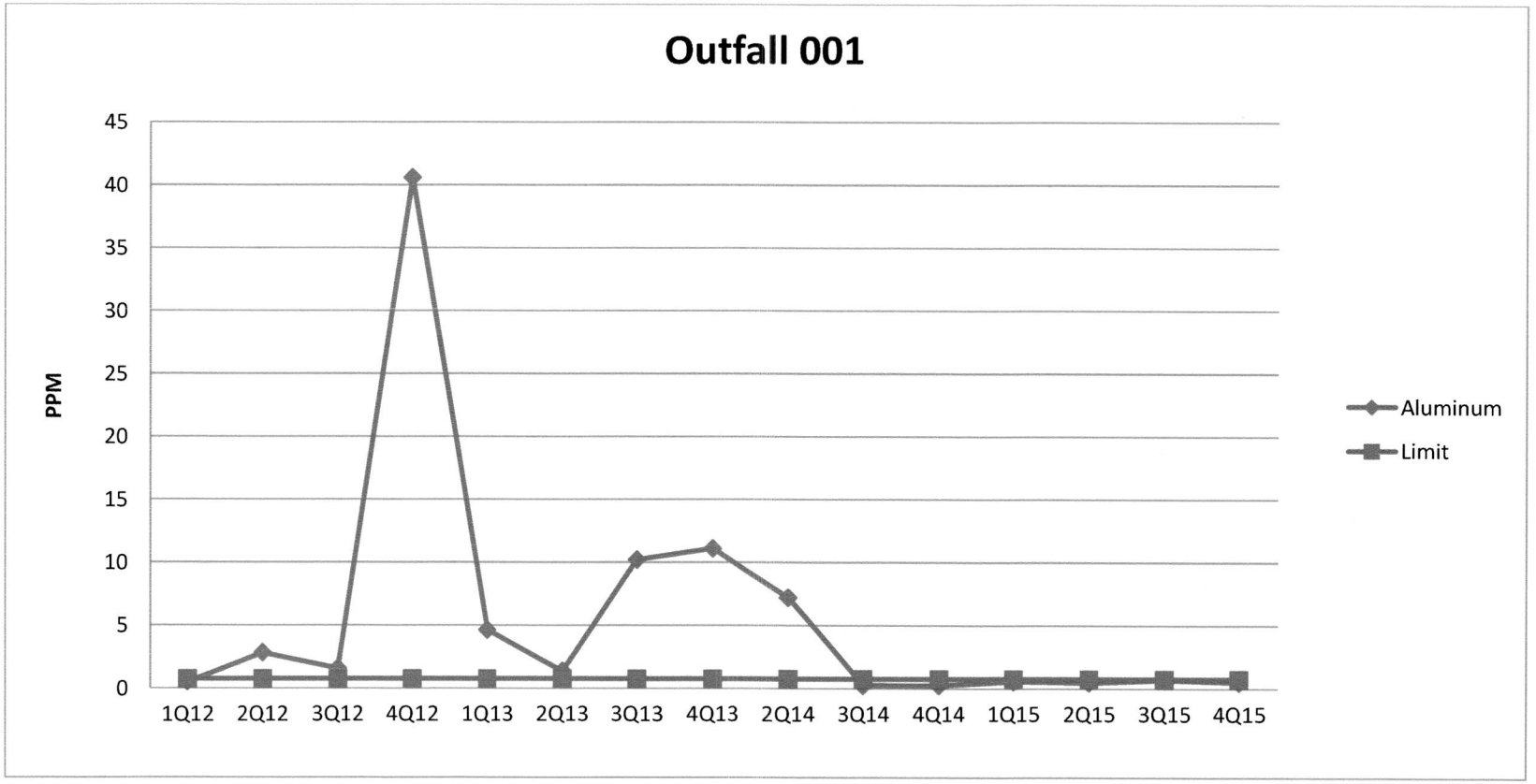

Outfall 003
PPM
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
3Q15
4Q15
Lead
Limit

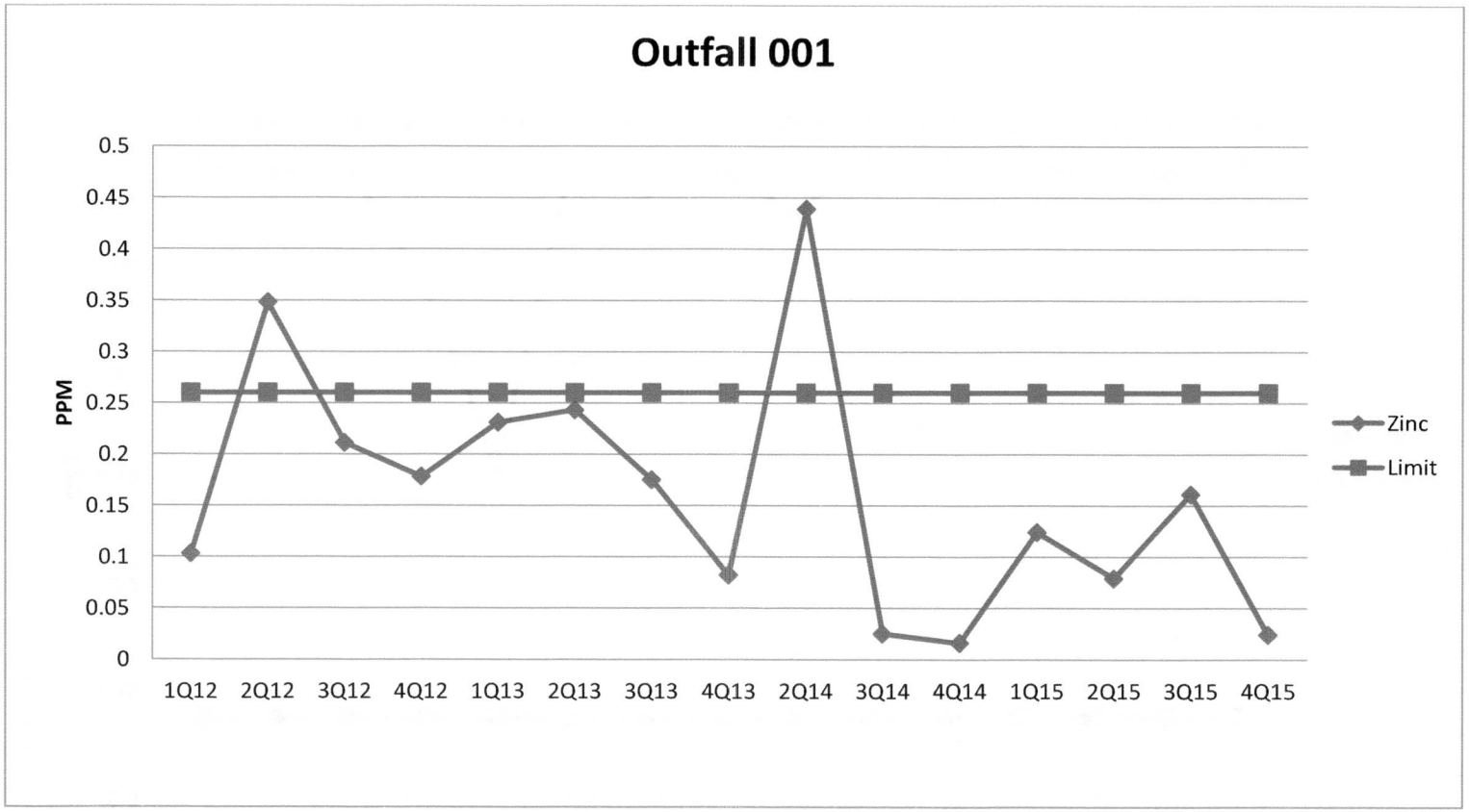

Outfall 002
PPM
160
140
120
100
80
60
40
20
0
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Aluminum
Limit

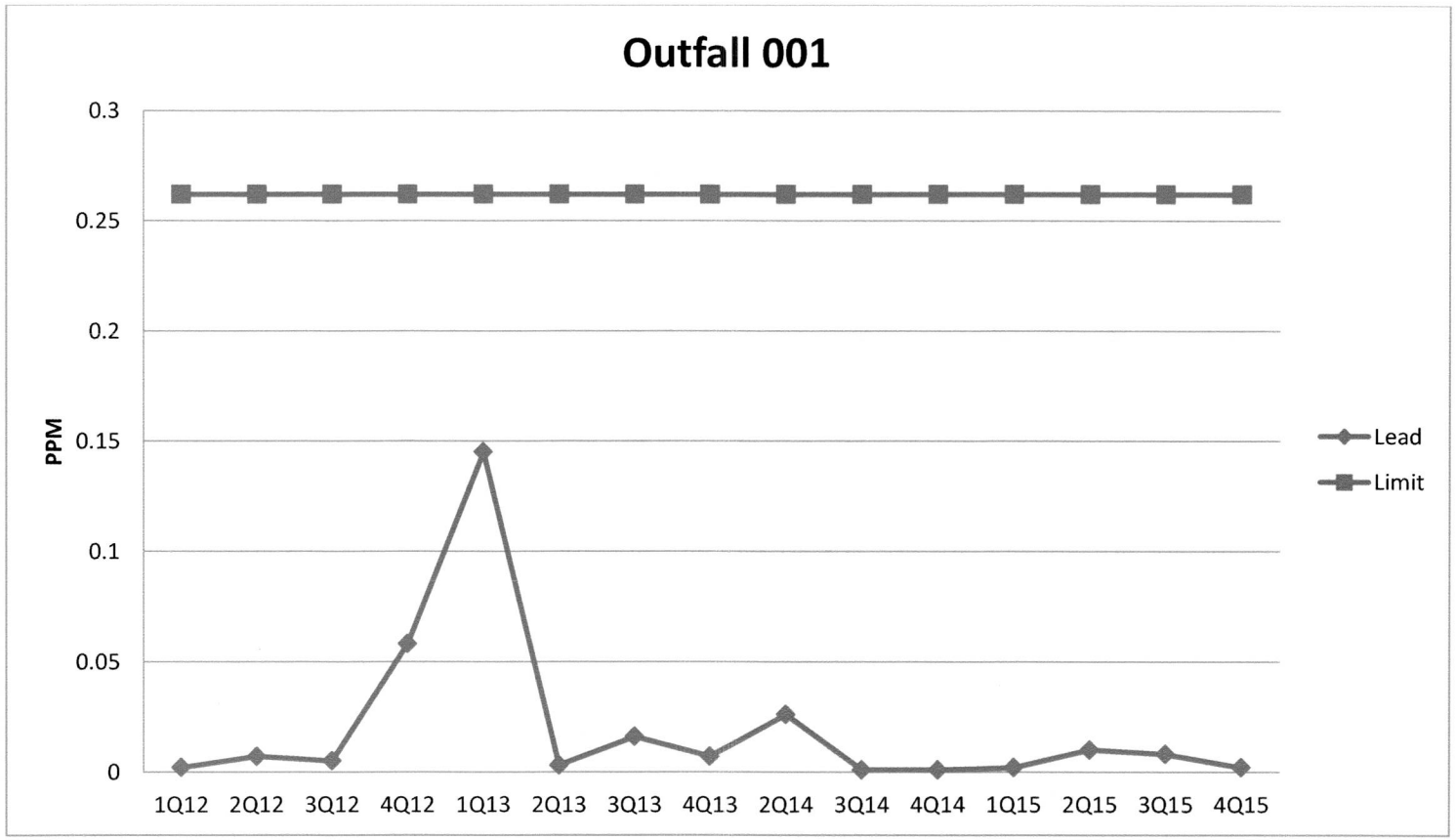

Outfall 002
PPM
200
180
160
140
120
100
80
60
40
20
0
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Iron
Limit

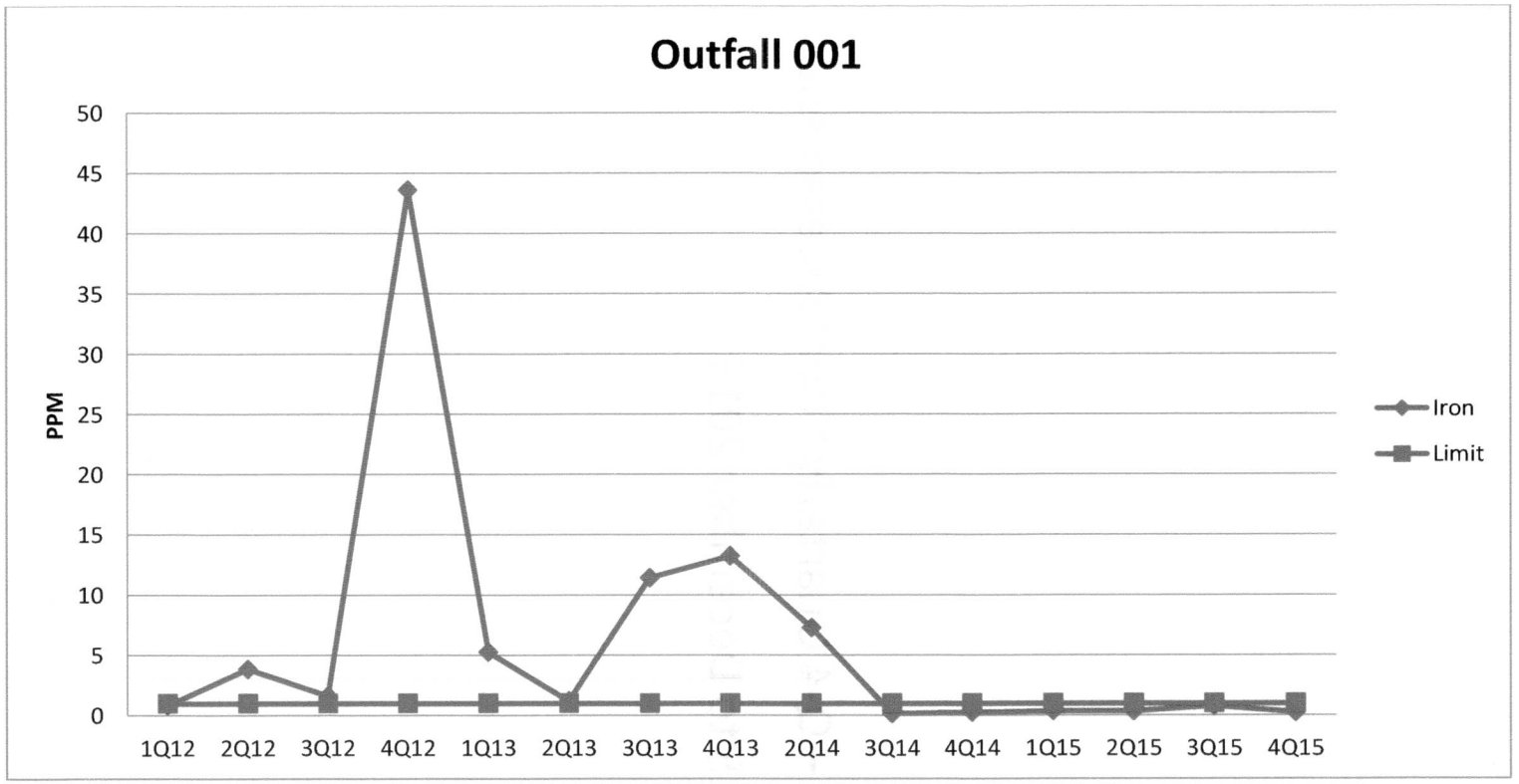

Outfall 002
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
PPM
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Lead
Limit


Outfall 002
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
PPM
1Q12
2Q12
3Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Zinc
Limit


Outfall 001
PPM
45
40
35
30
25
20
15
10
5
0
1Q12
2Q12
3Q12
4Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Aluminum
Limit


Outfall 001
PPM
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1Q12
2Q12
3Q12
4Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Zinc
Limit


Outfall 001
0.3
0.25
0.2
0.15
0.1
0.05
0
PPM
1Q12
2Q12
3Q12
4Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Lead
Limit


Outfall 001
PPM
50
45
40
35
30
25
20
15
10
5
0
1Q12
2Q12
3Q12
4Q12
1Q13
2Q13
3Q13
4Q13
2Q14
3Q14
4Q14
1Q15
2Q15
3Q15
4Q15
Iron
Limit

Appendix D – Q-4 Quarterly Visual Assessment

October 2015 to December 2015

MSGP Quarterly Visual Assessment Form — Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: AES PR — NPDES Tracking No. PRR65BL05

Outfall Name: 001 "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample:

Person(s)/Title(s) examining sample: Hector M. Avila / Senior Environmental Coordinator

Date & Time Discharge Began: 12/08/15 7:10am Date & Time Sample Collected: 12/08/15 7:25am Date & Time Sample Examined: 12/08/15 8:00am
Note: Samples must be examined within an hour.

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: 0.4 inches Previous Storm Ended > 72 hours Before Start of This Storm? ☐ Yes ☒ No* (explain):Rain event occurs almost every day.

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____
☐ Solvents ☐ Other (describe)

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe).

Settled Solids** ☒ No ☐ Yes

Suspended Solids ☒ No ☐ Yes (describe)

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick
☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe)

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary). *A temporary stone entrance was installed at the truck plant entrance, as an immediate action. A permanent stabilized stone entrance will be design and constructed to reduce the vehicle tracking of solids onto the facility.*

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Héctor M. Avila

B. Title: Senior Environmental Coordinator

C. Signature:

D. Date Signed: 12/08/15

MSGP Quarterly Visual Assessment Form — Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: AES Puerto Rico, L.P. NPDES Tracking No.

Outfall Name: 002 "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: Pedro E. Labayen

Person(s)/Title(s) examining sample: Pedro E. Labayen / Stormwater Compliance Coordinator

Date & Time Discharge Began: Dec 16, 2015(7:30 AM) Date & Time Sample Collected: Dec 16, 2015(8:00 AM) Date & Time Sample Examined: Dec 16, 2015 (9:00 AM)

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **0.20 inches** Previous Storm Ended > 72 hours Before Start of This Storm? ☒ Yes ☐ No* (explain):

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____ ☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☒ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☐ No ☒ Yes (Although not a significant amount of settled solids were observed in the sample, the presence of this material was due to the vehicle traffic from the public dirt road to the plant.)

Suspended Solids ☒ No ☐ Yes (describe):

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary). Stormwater inlet filters were installed in grating located at gate #3. This will help to prevent the accumulation of material tracked by trucks from the public dirt road.

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Pedro E. Labayen

B. Title: Stormwater Compliance Coordinator

C. Signature: Pedro E. Labayen

D. Date Signed: Dec 16, 2015

MSGP Quarterly Visual Assessment Form — Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: **AES Puerto Rico, L.P.** NPDES Tracking No.

Outfall Name: **003** "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: **Pedro E. Labayen**

Person(s)/Title(s) examining sample: **Pedro E. Labayen / Stormwater Compliance Coordinator**

Date & Time Discharge Began:**(11/23/15/11:39pm)** Date & Time Sample Collected: **(11/23/15/11:39pm)** Date & Time Sample Examined: **(11/24/15/8:23am)**

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **0.65 inches** Previous Storm Ended > 72 hours Before Start of This Storm? ☒ Yes ☐ No* (explain):

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____ ☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes (describe):

Suspended Solids ☒ No ☐ Yes (describe):

Foam (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Pedro E. Labayen

B. Title: Stormwater Compliance Coordinator

C. Signature: Pedro E. Labayen

D. Date Signed: Nov. 24, 2015

Appendix E – Corrective Action Documentation (MSGP 2015)

Corrective Action Documentation

Instructions:

Within 24 hours of becoming aware of a condition identified in Parts 4.1 or 4.2 of the 2015 MSGP, document the existence of the condition and subsequent actions. Note that this information must be summarized in the annual report (as required in Part 7.5 of the 2015 MSGP).

1. **Description of Condition**: The overflow pipe from one of the ash wetting tanks is connected to the plant storm drainage system. Although water flow is controlled in the water treatment plant, the pipe should be relocated to eliminate any potential discharge of water from tanks.

   For Spills and Leaks:

   Description of Incident: N/A

   Material: N/A

   Date/Time: N/A

   Amount: N/A

   Location: N/A

   Reason for Spill: N/A

   Discharge to Waters of U.S.: N/A

Date: November 16, 2015

Immediate Actions: A notification to the maintenance and operations personnel was submitted in order to coordinate the pipe relocation. Also, the tank control valve will be inspected and repaired if necessary.

Actions Taken within 14 Days: The tank overflow pipe was relocated in order to direct the potential overflow of water to the non-discharge water pond for reuse.

14 Day Infeasibility: N/A

45 Day Extension: N/A

2. **Description of Condition**: A temporary maintenance working area was identified at the east side of the plant. This area must be relocated or provided with a roof to minimize the exposure to storm water.

   For Spills and Leaks:

   Description of Incident: N/A

   Material: N/A

   Date/Time: N/A

   Amount: N/A

   Location: N/A

   Reason for Spill: N/A

   Discharge to Waters of U.S.: N/A

Date: November 16, 2015

Immediate Actions: A notification was made to the maintenance department.

Actions Taken within 14 Days: The maintenance structures were dismantled and activities were terminated in that area.

14 Day Infeasibility: N/A

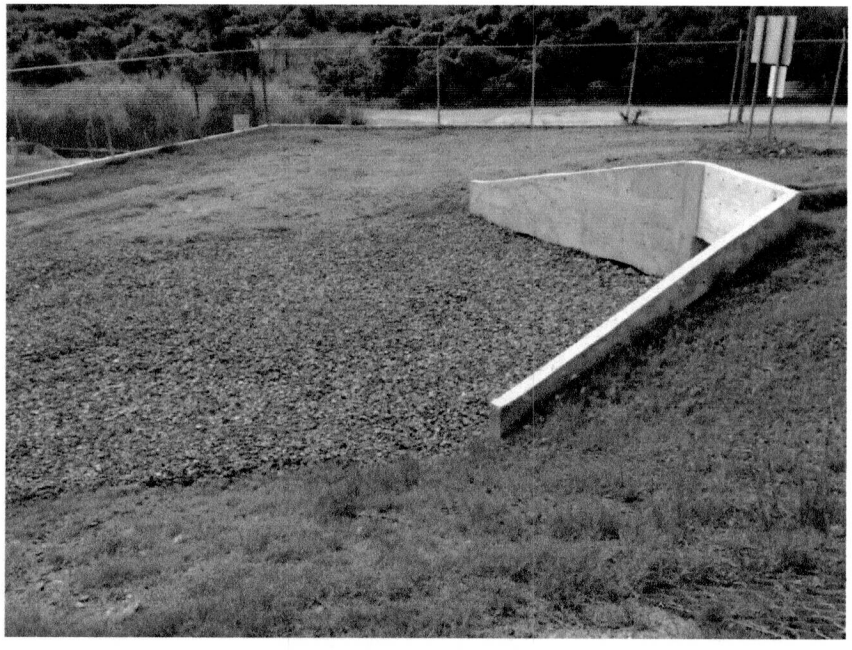
45 Day Extension: N/A

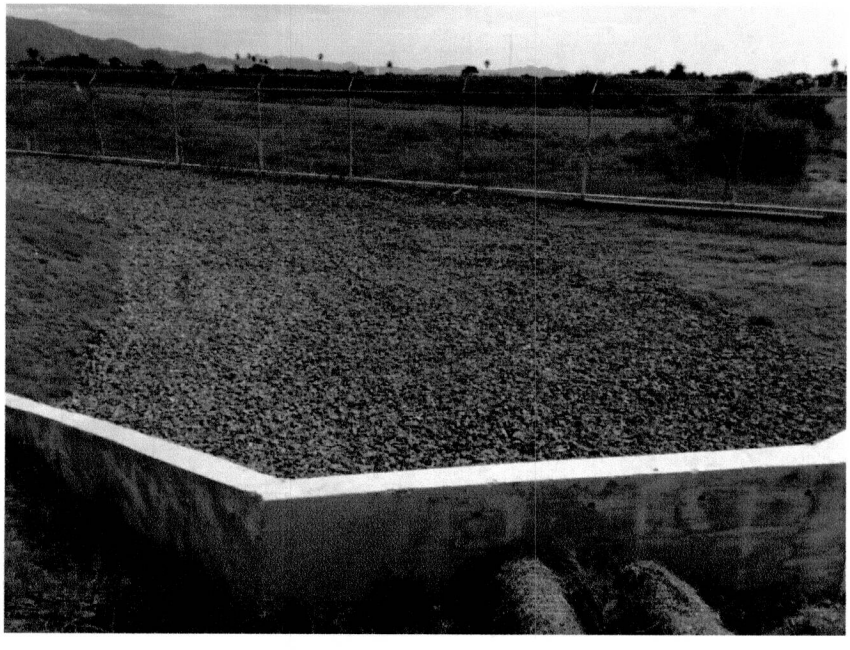
Appendix F – Additional Documentation for the Fourth Quarter Period

Photos #1 & 2: Storm water inlet filters installation in the grating at gate #3.

Photos #3 & 4: Solid waste containers are maintained with cover and routinely inspected.

Photos #5 & 6: Stone cover and liner were installed in a segment of outfall #002 drainage area to prevent soil erosion.





Appendix G - Rain Gauge Daily Precipitation Data from October 2015 to December 2015

Date	Rain (in)
Thursday, October 01, 2015 Total	0
Friday, October 02, 2015 Total	0.05
Saturday, October 03, 2015 Total	0.42
Sunday, October 04, 2015 Total	0.05
Monday, October 05, 2015 Total	0.08
Tuesday, October 06, 2015 Total	0
Wednesday, October 07, 2015 Total	0.17
Thursday, October 08, 2015 Total	0.06
Friday, October 09, 2015 Total	0.01
Saturday, October 10, 2015 Total	0
Sunday, October 11, 2015 Total	0.11
Monday, October 12, 2015 Total	0.03
Tuesday, October 13, 2015 Total	0.28
Wednesday, October 14, 2015 Total	0.31
Thursday, October 15, 2015 Total	0.05
Friday, October 16, 2015 Total	0.08
Saturday, October 17, 2015 Total	0.03
Sunday, October 18, 2015 Total	0
Monday, October 19, 2015 Total	0
Tuesday, October 20, 2015 Total	0.32
Wednesday, October 21, 2015 Total	0
Thursday, October 22, 2015 Total	0
Friday, October 23, 2015 Total	0
Saturday, October 24, 2015 Total	0.17
Sunday, October 25, 2015 Total	1.87
Monday, October 26, 2015 Total	0.1
Tuesday, October 27, 2015 Total	0
Wednesday, October 28, 2015 Total	0
Thursday, October 29, 2015 Total	0
Friday, October 30, 2015 Total	0
Saturday, October 31, 2015 Total	0

Date	Rain (in)
Sunday, November 01, 2015 Total	
Monday, November 02, 2015 Total	0.16
Tuesday, November 03, 2015 Total	0.24
Wednesday, November 04, 2015 Total	0
Thursday, November 05, 2015 Total	0
Friday, November 06, 2015 Total	0.09
Saturday, November 07, 2015 Total	1.66
Sunday, November 08, 2015 Total	0.64
Monday, November 09, 2015 Total	0.13
Tuesday, November 10, 2015 Total	0.72
Wednesday, November 11, 2015 Total	0
Thursday, November 12, 2015 Total	0
Friday, November 13, 2015 Total	0
Saturday, November 14, 2015 Total	0.11
Sunday, November 15, 2015 Total	0.08
Monday, November 16, 2015 Total	0.2
Tuesday, November 17, 2015 Total	0.01
Wednesday, November 18, 2015 Total	0.1
Thursday, November 19, 2015 Total	0
Friday, November 20, 2015 Total	0
Saturday, November 21, 2015 Total	0
Sunday, November 22, 2015 Total	0.04
Monday, November 23, 2015 Total	0.65
Tuesday, November 24, 2015 Total	0.01
Wednesday, November 25, 2015 Total	0
Thursday, November 26, 2015 Total	0
Friday, November 27, 2015 Total	0
Saturday, November 28, 2015 Total	0.61
Sunday, November 29, 2015 Total	0.8
Monday, November 30, 2015 Total	0

Date	Rain (in)
Tuesday, December 01, 2015 Total	
Wednesday, December 02, 2015 Total	0.02
Thursday, December 03, 2015 Total	0.05
Friday, December 04, 2015 Total	0.1
Saturday, December 05, 2015 Total	0.06
Sunday, December 06, 2015 Total	0.06
Monday, December 07, 2015 Total	0.33
Tuesday, December 08, 2015 Total	0.04
Wednesday, December 09, 2015 Total	0
Thursday, December 10, 2015 Total	0
Friday, December 11, 2015 Total	0.06
Saturday, December 12, 2015 Total	0
Sunday, December 13, 2015 Total	0.03
Monday, December 14, 2015 Total	0
Tuesday, December 15, 2015 Total	0
Wednesday, December 16, 2015 Total	0.28
Thursday, December 17, 2015 Total	0.07
Friday, December 18, 2015 Total	0.17
Saturday, December 19, 2015 Total	0.31
Sunday, December 20, 2015 Total	0.18
Monday, December 21, 2015 Total	0.01
Tuesday, December 22, 2015 Total	0.24
Wednesday, December 23, 2015 Total	0.01
Thursday, December 24, 2015 Total	0.03
Friday, December 25, 2015 Total	0.08
Saturday, December 26, 2015 Total	0.09
Sunday, December 27, 2015 Total	0.11
Monday, December 28, 2015 Total	0.6
Tuesday, December 29, 2015 Total	0.05
Wednesday, December 30, 2015 Total	0.07
Thursday, December 31, 2015 Total	0.01

Appendix H – Rain Gauge Hourly Precipitation Data from October 2015 to December 2015

Date	Time	Hourly RAIN (in)
Thursday, October 01, 2015	12:00:00 AM	0
Thursday, October 01, 2015	1:00:00 AM	0
Thursday, October 01, 2015	2:00:00 AM	0
Thursday, October 01, 2015	3:00:00 AM	0
Thursday, October 01, 2015	4:00:00 AM	0
Thursday, October 01, 2015	5:00:00 AM	0
Thursday, October 01, 2015	6:00:00 AM	0
Thursday, October 01, 2015	7:00:00 AM	0
Thursday, October 01, 2015	8:00:00 AM	0
Thursday, October 01, 2015	9:00:00 AM	0
Thursday, October 01, 2015	10:00:00 AM	0
Thursday, October 01, 2015	11:00:00 AM	0
Thursday, October 01, 2015	12:00:00 PM	0
Thursday, October 01, 2015	1:00:00 PM	0
Thursday, October 01, 2015	2:00:00 PM	0
Thursday, October 01, 2015	3:00:00 PM	0
Thursday, October 01, 2015	4:00:00 PM	0
Thursday, October 01, 2015	5:00:00 PM	0
Thursday, October 01, 2015	6:00:00 PM	0
Thursday, October 01, 2015	7:00:00 PM	0
Thursday, October 01, 2015	8:00:00 PM	0
Thursday, October 01, 2015	9:00:00 PM	0
Thursday, October 01, 2015	10:00:00 PM	0
Thursday, October 01, 2015	11:00:00 PM	0
Friday, October 02, 2015	12:00:00 AM	0
Friday, October 02, 2015	1:00:00 AM	0
Friday, October 02, 2015	2:00:00 AM	0
Friday, October 02, 2015	3:00:00 AM	0
Friday, October 02, 2015	4:00:00 AM	0
Friday, October 02, 2015	5:00:00 AM	0
Friday, October 02, 2015	6:00:00 AM	0
Friday, October 02, 2015	7:00:00 AM	0
Friday, October 02, 2015	8:00:00 AM	0
Friday, October 02, 2015	9:00:00 AM	0
Friday, October 02, 2015	10:00:00 AM	0
Friday, October 02, 2015	11:00:00 AM	0
Friday, October 02, 2015	12:00:00 PM	0.02
Friday, October 02, 2015	1:00:00 PM	0
Friday, October 02, 2015	2:00:00 PM	0.03
Friday, October 02, 2015	3:00:00 PM	0
Friday, October 02, 2015	4:00:00 PM	0

Date	Time	Hourly RAIN (in)
Friday, October 02, 2015	5:00:00 PM	0
Friday, October 02, 2015	6:00:00 PM	0
Friday, October 02, 2015	7:00:00 PM	0
Friday, October 02, 2015	8:00:00 PM	0
Friday, October 02, 2015	9:00:00 PM	0
Friday, October 02, 2015	10:00:00 PM	0
Friday, October 02, 2015	11:00:00 PM	0
Saturday, October 03, 2015	12:00:00 AM	0
Saturday, October 03, 2015	1:00:00 AM	0
Saturday, October 03, 2015	2:00:00 AM	0
Saturday, October 03, 2015	3:00:00 AM	0
Saturday, October 03, 2015	4:00:00 AM	0
Saturday, October 03, 2015	5:00:00 AM	0
Saturday, October 03, 2015	6:00:00 AM	0
Saturday, October 03, 2015	7:00:00 AM	0
Saturday, October 03, 2015	8:00:00 AM	0
Saturday, October 03, 2015	9:00:00 AM	0
Saturday, October 03, 2015	10:00:00 AM	0
Saturday, October 03, 2015	11:00:00 AM	0
Saturday, October 03, 2015	12:00:00 PM	0.05
Saturday, October 03, 2015	1:00:00 PM	0
Saturday, October 03, 2015	2:00:00 PM	0
Saturday, October 03, 2015	3:00:00 PM	0
Saturday, October 03, 2015	4:00:00 PM	0
Saturday, October 03, 2015	5:00:00 PM	0.24
Saturday, October 03, 2015	6:00:00 PM	0.01
Saturday, October 03, 2015	7:00:00 PM	0
Saturday, October 03, 2015	8:00:00 PM	0
Saturday, October 03, 2015	9:00:00 PM	0
Saturday, October 03, 2015	10:00:00 PM	0
Saturday, October 03, 2015	11:00:00 PM	0
Sunday, October 04, 2015	12:00:00 AM	0.12
Sunday, October 04, 2015	1:00:00 AM	0.05
Sunday, October 04, 2015	2:00:00 AM	0
Sunday, October 04, 2015	3:00:00 AM	0
Sunday, October 04, 2015	4:00:00 AM	0
Sunday, October 04, 2015	5:00:00 AM	0
Sunday, October 04, 2015	6:00:00 AM	0
Sunday, October 04, 2015	7:00:00 AM	0
Sunday, October 04, 2015	8:00:00 AM	0
Sunday, October 04, 2015	9:00:00 AM	0

Date	Time	Hourly RAIN (in)
Sunday, October 04, 2015	10:00:00 AM	0
Sunday, October 04, 2015	11:00:00 AM	0
Sunday, October 04, 2015	12:00:00 PM	0
Sunday, October 04, 2015	1:00:00 PM	0
Sunday, October 04, 2015	2:00:00 PM	0
Sunday, October 04, 2015	3:00:00 PM	0
Sunday, October 04, 2015	4:00:00 PM	0
Sunday, October 04, 2015	5:00:00 PM	0
Sunday, October 04, 2015	6:00:00 PM	0
Sunday, October 04, 2015	7:00:00 PM	0
Sunday, October 04, 2015	8:00:00 PM	0
Sunday, October 04, 2015	9:00:00 PM	0
Sunday, October 04, 2015	10:00:00 PM	0
Sunday, October 04, 2015	11:00:00 PM	0
Monday, October 05, 2015	12:00:00 AM	0
Monday, October 05, 2015	1:00:00 AM	0
Monday, October 05, 2015	2:00:00 AM	0
Monday, October 05, 2015	3:00:00 AM	0
Monday, October 05, 2015	4:00:00 AM	0
Monday, October 05, 2015	5:00:00 AM	0
Monday, October 05, 2015	6:00:00 AM	0
Monday, October 05, 2015	7:00:00 AM	0
Monday, October 05, 2015	8:00:00 AM	0
Monday, October 05, 2015	9:00:00 AM	0
Monday, October 05, 2015	10:00:00 AM	0
Monday, October 05, 2015	11:00:00 AM	0
Monday, October 05, 2015	12:00:00 PM	0
Monday, October 05, 2015	1:00:00 PM	0.08
Monday, October 05, 2015	2:00:00 PM	0
Monday, October 05, 2015	3:00:00 PM	0
Monday, October 05, 2015	4:00:00 PM	0
Monday, October 05, 2015	5:00:00 PM	0
Monday, October 05, 2015	6:00:00 PM	0
Monday, October 05, 2015	7:00:00 PM	0
Monday, October 05, 2015	8:00:00 PM	0
Monday, October 05, 2015	9:00:00 PM	0
Monday, October 05, 2015	10:00:00 PM	0
Monday, October 05, 2015	11:00:00 PM	0
Tuesday, October 06, 2015	12:00:00 AM	0
Tuesday, October 06, 2015	1:00:00 AM	0
Tuesday, October 06, 2015	2:00:00 AM	0

Date	Time	Hourly RAIN (in)
Tuesday, October 06, 2015	3:00:00 AM	0
Tuesday, October 06, 2015	4:00:00 AM	0
Tuesday, October 06, 2015	5:00:00 AM	0
Tuesday, October 06, 2015	6:00:00 AM	0
Tuesday, October 06, 2015	7:00:00 AM	0
Tuesday, October 06, 2015	8:00:00 AM	0
Tuesday, October 06, 2015	9:00:00 AM	0
Tuesday, October 06, 2015	10:00:00 AM	0
Tuesday, October 06, 2015	11:00:00 AM	0
Tuesday, October 06, 2015	12:00:00 PM	0
Tuesday, October 06, 2015	1:00:00 PM	0
Tuesday, October 06, 2015	2:00:00 PM	0
Tuesday, October 06, 2015	3:00:00 PM	0
Tuesday, October 06, 2015	4:00:00 PM	0
Tuesday, October 06, 2015	5:00:00 PM	0
Tuesday, October 06, 2015	6:00:00 PM	0
Tuesday, October 06, 2015	7:00:00 PM	0
Tuesday, October 06, 2015	8:00:00 PM	0
Tuesday, October 06, 2015	9:00:00 PM	0
Tuesday, October 06, 2015	10:00:00 PM	0
Tuesday, October 06, 2015	11:00:00 PM	0
Wednesday, October 07, 2015	12:00:00 AM	0
Wednesday, October 07, 2015	1:00:00 AM	0
Wednesday, October 07, 2015	2:00:00 AM	0.04
Wednesday, October 07, 2015	3:00:00 AM	0
Wednesday, October 07, 2015	4:00:00 AM	0
Wednesday, October 07, 2015	5:00:00 AM	0.13
Wednesday, October 07, 2015	6:00:00 AM	0
Wednesday, October 07, 2015	7:00:00 AM	0
Wednesday, October 07, 2015	8:00:00 AM	0
Wednesday, October 07, 2015	9:00:00 AM	0
Wednesday, October 07, 2015	10:00:00 AM	0
Wednesday, October 07, 2015	11:00:00 AM	0
Wednesday, October 07, 2015	12:00:00 PM	0
Wednesday, October 07, 2015	1:00:00 PM	0
Wednesday, October 07, 2015	2:00:00 PM	0
Wednesday, October 07, 2015	3:00:00 PM	0
Wednesday, October 07, 2015	4:00:00 PM	0
Wednesday, October 07, 2015	5:00:00 PM	0
Wednesday, October 07, 2015	6:00:00 PM	0
Wednesday, October 07, 2015	7:00:00 PM	0

Date	Time	Hourly RAIN (in)
Wednesday, October 07, 2015	8:00:00 PM	0
Wednesday, October 07, 2015	9:00:00 PM	0
Wednesday, October 07, 2015	10:00:00 PM	0
Wednesday, October 07, 2015	11:00:00 PM	0
Thursday, October 08, 2015	12:00:00 AM	0
Thursday, October 08, 2015	1:00:00 AM	0
Thursday, October 08, 2015	2:00:00 AM	0
Thursday, October 08, 2015	3:00:00 AM	0
Thursday, October 08, 2015	4:00:00 AM	0
Thursday, October 08, 2015	5:00:00 AM	0
Thursday, October 08, 2015	6:00:00 AM	0
Thursday, October 08, 2015	7:00:00 AM	0
Thursday, October 08, 2015	8:00:00 AM	0
Thursday, October 08, 2015	9:00:00 AM	0
Thursday, October 08, 2015	10:00:00 AM	0
Thursday, October 08, 2015	11:00:00 AM	0
Thursday, October 08, 2015	12:00:00 PM	0
Thursday, October 08, 2015	1:00:00 PM	0
Thursday, October 08, 2015	2:00:00 PM	0
Thursday, October 08, 2015	3:00:00 PM	0
Thursday, October 08, 2015	4:00:00 PM	0
Thursday, October 08, 2015	5:00:00 PM	0
Thursday, October 08, 2015	6:00:00 PM	0
Thursday, October 08, 2015	7:00:00 PM	0.02
Thursday, October 08, 2015	8:00:00 PM	0.01
Thursday, October 08, 2015	9:00:00 PM	0
Thursday, October 08, 2015	10:00:00 PM	0
Thursday, October 08, 2015	11:00:00 PM	0
Friday, October 09, 2015	12:00:00 AM	0.03
Friday, October 09, 2015	1:00:00 AM	0
Friday, October 09, 2015	2:00:00 AM	0
Friday, October 09, 2015	3:00:00 AM	0
Friday, October 09, 2015	4:00:00 AM	0
Friday, October 09, 2015	5:00:00 AM	0
Friday, October 09, 2015	6:00:00 AM	0
Friday, October 09, 2015	7:00:00 AM	0
Friday, October 09, 2015	8:00:00 AM	0
Friday, October 09, 2015	9:00:00 AM	0.01
Friday, October 09, 2015	10:00:00 AM	0
Friday, October 09, 2015	11:00:00 AM	0
Friday, October 09, 2015	12:00:00 PM	0

Date	Time	Hourly RAIN (in)
Friday, October 09, 2015	1:00:00 PM	0
Friday, October 09, 2015	2:00:00 PM	0
Friday, October 09, 2015	3:00:00 PM	0
Friday, October 09, 2015	4:00:00 PM	0
Friday, October 09, 2015	5:00:00 PM	0
Friday, October 09, 2015	6:00:00 PM	0
Friday, October 09, 2015	7:00:00 PM	0
Friday, October 09, 2015	8:00:00 PM	0
Friday, October 09, 2015	9:00:00 PM	0
Friday, October 09, 2015	10:00:00 PM	0
Friday, October 09, 2015	11:00:00 PM	0
Saturday, October 10, 2015	12:00:00 AM	0
Saturday, October 10, 2015	1:00:00 AM	0
Saturday, October 10, 2015	2:00:00 AM	0
Saturday, October 10, 2015	3:00:00 AM	0
Saturday, October 10, 2015	4:00:00 AM	0
Saturday, October 10, 2015	5:00:00 AM	0
Saturday, October 10, 2015	6:00:00 AM	0
Saturday, October 10, 2015	7:00:00 AM	0
Saturday, October 10, 2015	8:00:00 AM	0
Saturday, October 10, 2015	9:00:00 AM	0
Saturday, October 10, 2015	10:00:00 AM	0
Saturday, October 10, 2015	11:00:00 AM	0
Saturday, October 10, 2015	12:00:00 PM	0
Saturday, October 10, 2015	1:00:00 PM	0
Saturday, October 10, 2015	2:00:00 PM	0
Saturday, October 10, 2015	3:00:00 PM	0
Saturday, October 10, 2015	4:00:00 PM	0
Saturday, October 10, 2015	5:00:00 PM	0
Saturday, October 10, 2015	6:00:00 PM	0
Saturday, October 10, 2015	7:00:00 PM	0
Saturday, October 10, 2015	8:00:00 PM	0
Saturday, October 10, 2015	9:00:00 PM	0
Saturday, October 10, 2015	10:00:00 PM	0
Saturday, October 10, 2015	11:00:00 PM	0
Sunday, October 11, 2015	12:00:00 AM	0
Sunday, October 11, 2015	1:00:00 AM	0
Sunday, October 11, 2015	2:00:00 AM	0
Sunday, October 11, 2015	3:00:00 AM	0
Sunday, October 11, 2015	4:00:00 AM	0
Sunday, October 11, 2015	5:00:00 AM	0

Date	Time	Hourly RAIN (in)
Sunday, October 11, 2015	6:00:00 AM	0
Sunday, October 11, 2015	7:00:00 AM	0
Sunday, October 11, 2015	8:00:00 AM	0
Sunday, October 11, 2015	9:00:00 AM	0
Sunday, October 11, 2015	10:00:00 AM	0
Sunday, October 11, 2015	11:00:00 AM	0
Sunday, October 11, 2015	12:00:00 PM	0
Sunday, October 11, 2015	1:00:00 PM	0
Sunday, October 11, 2015	2:00:00 PM	0
Sunday, October 11, 2015	3:00:00 PM	0
Sunday, October 11, 2015	4:00:00 PM	0
Sunday, October 11, 2015	5:00:00 PM	0
Sunday, October 11, 2015	6:00:00 PM	0
Sunday, October 11, 2015	7:00:00 PM	0.11
Sunday, October 11, 2015	8:00:00 PM	0
Sunday, October 11, 2015	9:00:00 PM	0
Sunday, October 11, 2015	10:00:00 PM	0
Sunday, October 11, 2015	11:00:00 PM	0
Monday, October 12, 2015	12:00:00 AM	0
Monday, October 12, 2015	1:00:00 AM	0
Monday, October 12, 2015	2:00:00 AM	0
Monday, October 12, 2015	3:00:00 AM	0
Monday, October 12, 2015	4:00:00 AM	0
Monday, October 12, 2015	5:00:00 AM	0
Monday, October 12, 2015	6:00:00 AM	0
Monday, October 12, 2015	7:00:00 AM	0.02
Monday, October 12, 2015	8:00:00 AM	0
Monday, October 12, 2015	9:00:00 AM	0.01
Monday, October 12, 2015	10:00:00 AM	0
Monday, October 12, 2015	11:00:00 AM	0
Monday, October 12, 2015	12:00:00 PM	0
Monday, October 12, 2015	1:00:00 PM	0
Monday, October 12, 2015	2:00:00 PM	0
Monday, October 12, 2015	3:00:00 PM	0
Monday, October 12, 2015	4:00:00 PM	0
Monday, October 12, 2015	5:00:00 PM	0
Monday, October 12, 2015	6:00:00 PM	0
Monday, October 12, 2015	7:00:00 PM	0
Monday, October 12, 2015	8:00:00 PM	0
Monday, October 12, 2015	9:00:00 PM	0
Monday, October 12, 2015	10:00:00 PM	0

Date	Time	Hourly RAIN (in)
Monday, October 12, 2015	11:00:00 PM	0
Tuesday, October 13, 2015	12:00:00 AM	0
Tuesday, October 13, 2015	1:00:00 AM	0
Tuesday, October 13, 2015	2:00:00 AM	0
Tuesday, October 13, 2015	3:00:00 AM	0.04
Tuesday, October 13, 2015	4:00:00 AM	0.05
Tuesday, October 13, 2015	5:00:00 AM	0.15
Tuesday, October 13, 2015	6:00:00 AM	0
Tuesday, October 13, 2015	7:00:00 AM	0.01
Tuesday, October 13, 2015	8:00:00 AM	0
Tuesday, October 13, 2015	9:00:00 AM	0
Tuesday, October 13, 2015	10:00:00 AM	0
Tuesday, October 13, 2015	11:00:00 AM	0
Tuesday, October 13, 2015	12:00:00 PM	0.01
Tuesday, October 13, 2015	1:00:00 PM	0
Tuesday, October 13, 2015	2:00:00 PM	0
Tuesday, October 13, 2015	3:00:00 PM	0
Tuesday, October 13, 2015	4:00:00 PM	0.02
Tuesday, October 13, 2015	5:00:00 PM	0
Tuesday, October 13, 2015	6:00:00 PM	0
Tuesday, October 13, 2015	7:00:00 PM	0
Tuesday, October 13, 2015	8:00:00 PM	0
Tuesday, October 13, 2015	9:00:00 PM	0
Tuesday, October 13, 2015	10:00:00 PM	0
Tuesday, October 13, 2015	11:00:00 PM	0
Wednesday, October 14, 2015	12:00:00 AM	0
Wednesday, October 14, 2015	1:00:00 AM	0
Wednesday, October 14, 2015	2:00:00 AM	0
Wednesday, October 14, 2015	3:00:00 AM	0
Wednesday, October 14, 2015	4:00:00 AM	0
Wednesday, October 14, 2015	5:00:00 AM	0
Wednesday, October 14, 2015	6:00:00 AM	0
Wednesday, October 14, 2015	7:00:00 AM	0
Wednesday, October 14, 2015	8:00:00 AM	0
Wednesday, October 14, 2015	9:00:00 AM	0
Wednesday, October 14, 2015	10:00:00 AM	0
Wednesday, October 14, 2015	11:00:00 AM	0
Wednesday, October 14, 2015	12:00:00 PM	0
Wednesday, October 14, 2015	1:00:00 PM	0
Wednesday, October 14, 2015	2:00:00 PM	0
Wednesday, October 14, 2015	3:00:00 PM	0.01

Date	Time	Hourly RAIN (in)
Wednesday, October 14, 2015	4:00:00 PM	0
Wednesday, October 14, 2015	5:00:00 PM	0
Wednesday, October 14, 2015	6:00:00 PM	0
Wednesday, October 14, 2015	7:00:00 PM	0
Wednesday, October 14, 2015	8:00:00 PM	0.05
Wednesday, October 14, 2015	9:00:00 PM	0
Wednesday, October 14, 2015	10:00:00 PM	0
Wednesday, October 14, 2015	11:00:00 PM	0.02
Thursday, October 15, 2015	12:00:00 AM	0.23
Thursday, October 15, 2015	1:00:00 AM	0.05
Thursday, October 15, 2015	2:00:00 AM	0
Thursday, October 15, 2015	3:00:00 AM	0
Thursday, October 15, 2015	4:00:00 AM	0
Thursday, October 15, 2015	5:00:00 AM	0
Thursday, October 15, 2015	6:00:00 AM	0
Thursday, October 15, 2015	7:00:00 AM	0
Thursday, October 15, 2015	8:00:00 AM	0
Thursday, October 15, 2015	9:00:00 AM	0
Thursday, October 15, 2015	10:00:00 AM	0
Thursday, October 15, 2015	11:00:00 AM	0
Thursday, October 15, 2015	12:00:00 PM	0
Thursday, October 15, 2015	1:00:00 PM	0
Thursday, October 15, 2015	2:00:00 PM	0
Thursday, October 15, 2015	3:00:00 PM	0
Thursday, October 15, 2015	4:00:00 PM	0
Thursday, October 15, 2015	5:00:00 PM	0
Thursday, October 15, 2015	6:00:00 PM	0
Thursday, October 15, 2015	7:00:00 PM	0
Thursday, October 15, 2015	8:00:00 PM	0
Thursday, October 15, 2015	9:00:00 PM	0
Thursday, October 15, 2015	10:00:00 PM	0
Thursday, October 15, 2015	11:00:00 PM	0
Friday, October 16, 2015	12:00:00 AM	0
Friday, October 16, 2015	1:00:00 AM	0
Friday, October 16, 2015	2:00:00 AM	0
Friday, October 16, 2015	3:00:00 AM	0
Friday, October 16, 2015	4:00:00 AM	0
Friday, October 16, 2015	5:00:00 AM	0
Friday, October 16, 2015	6:00:00 AM	0
Friday, October 16, 2015	7:00:00 AM	0
Friday, October 16, 2015	8:00:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, October 16, 2015	9:00:00 AM	0
Friday, October 16, 2015	10:00:00 AM	0
Friday, October 16, 2015	11:00:00 AM	0
Friday, October 16, 2015	12:00:00 PM	0
Friday, October 16, 2015	1:00:00 PM	0.02
Friday, October 16, 2015	2:00:00 PM	0
Friday, October 16, 2015	3:00:00 PM	0
Friday, October 16, 2015	4:00:00 PM	0.02
Friday, October 16, 2015	5:00:00 PM	0
Friday, October 16, 2015	6:00:00 PM	0
Friday, October 16, 2015	7:00:00 PM	0
Friday, October 16, 2015	8:00:00 PM	0
Friday, October 16, 2015	9:00:00 PM	0
Friday, October 16, 2015	10:00:00 PM	0
Friday, October 16, 2015	11:00:00 PM	0.03
Saturday, October 17, 2015	12:00:00 AM	0.01
Saturday, October 17, 2015	1:00:00 AM	0
Saturday, October 17, 2015	2:00:00 AM	0
Saturday, October 17, 2015	3:00:00 AM	0.03
Saturday, October 17, 2015	4:00:00 AM	0
Saturday, October 17, 2015	5:00:00 AM	0
Saturday, October 17, 2015	6:00:00 AM	0
Saturday, October 17, 2015	7:00:00 AM	0
Saturday, October 17, 2015	8:00:00 AM	0
Saturday, October 17, 2015	9:00:00 AM	0
Saturday, October 17, 2015	10:00:00 AM	0
Saturday, October 17, 2015	11:00:00 AM	0
Saturday, October 17, 2015	12:00:00 PM	0
Saturday, October 17, 2015	1:00:00 PM	0
Saturday, October 17, 2015	2:00:00 PM	0
Saturday, October 17, 2015	3:00:00 PM	0
Saturday, October 17, 2015	4:00:00 PM	0
Saturday, October 17, 2015	5:00:00 PM	0
Saturday, October 17, 2015	6:00:00 PM	0
Saturday, October 17, 2015	7:00:00 PM	0
Saturday, October 17, 2015	8:00:00 PM	0
Saturday, October 17, 2015	9:00:00 PM	0
Saturday, October 17, 2015	10:00:00 PM	0
Saturday, October 17, 2015	11:00:00 PM	0
Sunday, October 18, 2015	12:00:00 AM	0
Sunday, October 18, 2015	1:00:00 AM	0

Date	Time	Hourly RAIN (in)
Sunday, October 18, 2015	2:00:00 AM	0
Sunday, October 18, 2015	3:00:00 AM	0
Sunday, October 18, 2015	4:00:00 AM	0
Sunday, October 18, 2015	5:00:00 AM	0
Sunday, October 18, 2015	6:00:00 AM	0
Sunday, October 18, 2015	7:00:00 AM	0
Sunday, October 18, 2015	8:00:00 AM	0
Sunday, October 18, 2015	9:00:00 AM	0
Sunday, October 18, 2015	10:00:00 AM	0
Sunday, October 18, 2015	11:00:00 AM	0
Sunday, October 18, 2015	12:00:00 PM	0
Sunday, October 18, 2015	1:00:00 PM	0
Sunday, October 18, 2015	2:00:00 PM	0
Sunday, October 18, 2015	3:00:00 PM	0
Sunday, October 18, 2015	4:00:00 PM	0
Sunday, October 18, 2015	5:00:00 PM	0
Sunday, October 18, 2015	6:00:00 PM	0
Sunday, October 18, 2015	7:00:00 PM	0
Sunday, October 18, 2015	8:00:00 PM	0
Sunday, October 18, 2015	9:00:00 PM	0
Sunday, October 18, 2015	10:00:00 PM	0
Sunday, October 18, 2015	11:00:00 PM	0
Monday, October 19, 2015	12:00:00 AM	0
Monday, October 19, 2015	1:00:00 AM	0
Monday, October 19, 2015	2:00:00 AM	0
Monday, October 19, 2015	3:00:00 AM	0
Monday, October 19, 2015	4:00:00 AM	0
Monday, October 19, 2015	5:00:00 AM	0
Monday, October 19, 2015	6:00:00 AM	0
Monday, October 19, 2015	7:00:00 AM	0
Monday, October 19, 2015	8:00:00 AM	0
Monday, October 19, 2015	9:00:00 AM	0
Monday, October 19, 2015	10:00:00 AM	0
Monday, October 19, 2015	11:00:00 AM	0
Monday, October 19, 2015	12:00:00 PM	0
Monday, October 19, 2015	1:00:00 PM	0
Monday, October 19, 2015	2:00:00 PM	0
Monday, October 19, 2015	3:00:00 PM	0
Monday, October 19, 2015	4:00:00 PM	0
Monday, October 19, 2015	5:00:00 PM	0
Monday, October 19, 2015	6:00:00 PM	0

Date	Time	Hourly RAIN (in)
Monday, October 19, 2015	7:00:00 PM	0
Monday, October 19, 2015	8:00:00 PM	0
Monday, October 19, 2015	9:00:00 PM	0
Monday, October 19, 2015	10:00:00 PM	0
Monday, October 19, 2015	11:00:00 PM	0
Tuesday, October 20, 2015	12:00:00 AM	0
Tuesday, October 20, 2015	1:00:00 AM	0
Tuesday, October 20, 2015	2:00:00 AM	0
Tuesday, October 20, 2015	3:00:00 AM	0
Tuesday, October 20, 2015	4:00:00 AM	0
Tuesday, October 20, 2015	5:00:00 AM	0
Tuesday, October 20, 2015	6:00:00 AM	0
Tuesday, October 20, 2015	7:00:00 AM	0
Tuesday, October 20, 2015	8:00:00 AM	0
Tuesday, October 20, 2015	9:00:00 AM	0
Tuesday, October 20, 2015	10:00:00 AM	0
Tuesday, October 20, 2015	11:00:00 AM	0
Tuesday, October 20, 2015	12:00:00 PM	0
Tuesday, October 20, 2015	1:00:00 PM	0
Tuesday, October 20, 2015	2:00:00 PM	0
Tuesday, October 20, 2015	3:00:00 PM	0
Tuesday, October 20, 2015	4:00:00 PM	0
Tuesday, October 20, 2015	5:00:00 PM	0
Tuesday, October 20, 2015	6:00:00 PM	0
Tuesday, October 20, 2015	7:00:00 PM	0
Tuesday, October 20, 2015	8:00:00 PM	0
Tuesday, October 20, 2015	9:00:00 PM	0.04
Tuesday, October 20, 2015	10:00:00 PM	0.17
Tuesday, October 20, 2015	11:00:00 PM	0.11
Wednesday, October 21, 2015	12:00:00 AM	0
Wednesday, October 21, 2015	1:00:00 AM	0
Wednesday, October 21, 2015	2:00:00 AM	0
Wednesday, October 21, 2015	3:00:00 AM	0
Wednesday, October 21, 2015	4:00:00 AM	0
Wednesday, October 21, 2015	5:00:00 AM	0
Wednesday, October 21, 2015	6:00:00 AM	0
Wednesday, October 21, 2015	7:00:00 AM	0
Wednesday, October 21, 2015	8:00:00 AM	0
Wednesday, October 21, 2015	9:00:00 AM	0
Wednesday, October 21, 2015	10:00:00 AM	0
Wednesday, October 21, 2015	11:00:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, October 21, 2015	12:00:00 PM	0
Wednesday, October 21, 2015	1:00:00 PM	0
Wednesday, October 21, 2015	2:00:00 PM	0
Wednesday, October 21, 2015	3:00:00 PM	0
Wednesday, October 21, 2015	4:00:00 PM	0
Wednesday, October 21, 2015	5:00:00 PM	0
Wednesday, October 21, 2015	6:00:00 PM	0
Wednesday, October 21, 2015	7:00:00 PM	0
Wednesday, October 21, 2015	8:00:00 PM	0
Wednesday, October 21, 2015	9:00:00 PM	0
Wednesday, October 21, 2015	10:00:00 PM	0
Wednesday, October 21, 2015	11:00:00 PM	0
Thursday, October 22, 2015	12:00:00 AM	0
Thursday, October 22, 2015	1:00:00 AM	0
Thursday, October 22, 2015	2:00:00 AM	0
Thursday, October 22, 2015	3:00:00 AM	0
Thursday, October 22, 2015	4:00:00 AM	0
Thursday, October 22, 2015	5:00:00 AM	0
Thursday, October 22, 2015	6:00:00 AM	0
Thursday, October 22, 2015	7:00:00 AM	0
Thursday, October 22, 2015	8:00:00 AM	0
Thursday, October 22, 2015	9:00:00 AM	0
Thursday, October 22, 2015	10:00:00 AM	0
Thursday, October 22, 2015	11:00:00 AM	0
Thursday, October 22, 2015	12:00:00 PM	0
Thursday, October 22, 2015	1:00:00 PM	0
Thursday, October 22, 2015	2:00:00 PM	0
Thursday, October 22, 2015	3:00:00 PM	0
Thursday, October 22, 2015	4:00:00 PM	0
Thursday, October 22, 2015	5:00:00 PM	0
Thursday, October 22, 2015	6:00:00 PM	0
Thursday, October 22, 2015	7:00:00 PM	0
Thursday, October 22, 2015	8:00:00 PM	0
Thursday, October 22, 2015	9:00:00 PM	0
Thursday, October 22, 2015	10:00:00 PM	0
Thursday, October 22, 2015	11:00:00 PM	0
Friday, October 23, 2015	12:00:00 AM	0
Friday, October 23, 2015	1:00:00 AM	0
Friday, October 23, 2015	2:00:00 AM	0
Friday, October 23, 2015	3:00:00 AM	0
Friday, October 23, 2015	4:00:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, October 23, 2015	5:00:00 AM	0
Friday, October 23, 2015	6:00:00 AM	0
Friday, October 23, 2015	7:00:00 AM	0
Friday, October 23, 2015	8:00:00 AM	0
Friday, October 23, 2015	9:00:00 AM	0
Friday, October 23, 2015	10:00:00 AM	0
Friday, October 23, 2015	11:00:00 AM	0
Friday, October 23, 2015	12:00:00 PM	0
Friday, October 23, 2015	1:00:00 PM	0
Friday, October 23, 2015	2:00:00 PM	0
Friday, October 23, 2015	3:00:00 PM	0
Friday, October 23, 2015	4:00:00 PM	0
Friday, October 23, 2015	5:00:00 PM	0
Friday, October 23, 2015	6:00:00 PM	0
Friday, October 23, 2015	7:00:00 PM	0
Friday, October 23, 2015	8:00:00 PM	0
Friday, October 23, 2015	9:00:00 PM	0
Friday, October 23, 2015	10:00:00 PM	0
Friday, October 23, 2015	11:00:00 PM	0
Saturday, October 24, 2015	12:00:00 AM	0
Saturday, October 24, 2015	1:00:00 AM	0
Saturday, October 24, 2015	2:00:00 AM	0
Saturday, October 24, 2015	3:00:00 AM	0
Saturday, October 24, 2015	4:00:00 AM	0
Saturday, October 24, 2015	5:00:00 AM	0
Saturday, October 24, 2015	6:00:00 AM	0
Saturday, October 24, 2015	7:00:00 AM	0
Saturday, October 24, 2015	8:00:00 AM	0
Saturday, October 24, 2015	9:00:00 AM	0
Saturday, October 24, 2015	10:00:00 AM	0
Saturday, October 24, 2015	11:00:00 AM	0
Saturday, October 24, 2015	12:00:00 PM	0
Saturday, October 24, 2015	1:00:00 PM	0
Saturday, October 24, 2015	2:00:00 PM	0
Saturday, October 24, 2015	3:00:00 PM	0
Saturday, October 24, 2015	4:00:00 PM	0
Saturday, October 24, 2015	5:00:00 PM	0
Saturday, October 24, 2015	6:00:00 PM	0.04
Saturday, October 24, 2015	7:00:00 PM	0.14
Saturday, October 24, 2015	8:00:00 PM	0
Saturday, October 24, 2015	9:00:00 PM	0

Date	Time	Hourly RAIN (in)
Saturday, October 24, 2015	10:00:00 PM	0
Saturday, October 24, 2015	11:00:00 PM	0
Sunday, October 25, 2015	12:00:00 AM	0
Sunday, October 25, 2015	1:00:00 AM	0
Sunday, October 25, 2015	2:00:00 AM	0
Sunday, October 25, 2015	3:00:00 AM	0
Sunday, October 25, 2015	4:00:00 AM	0
Sunday, October 25, 2015	5:00:00 AM	0
Sunday, October 25, 2015	6:00:00 AM	0
Sunday, October 25, 2015	7:00:00 AM	0
Sunday, October 25, 2015	8:00:00 AM	0
Sunday, October 25, 2015	9:00:00 AM	0
Sunday, October 25, 2015	10:00:00 AM	0
Sunday, October 25, 2015	11:00:00 AM	0
Sunday, October 25, 2015	12:00:00 PM	0
Sunday, October 25, 2015	1:00:00 PM	0
Sunday, October 25, 2015	2:00:00 PM	0
Sunday, October 25, 2015	3:00:00 PM	0
Sunday, October 25, 2015	4:00:00 PM	0
Sunday, October 25, 2015	5:00:00 PM	0
Sunday, October 25, 2015	6:00:00 PM	1.19
Sunday, October 25, 2015	7:00:00 PM	0.43
Sunday, October 25, 2015	8:00:00 PM	0.26
Sunday, October 25, 2015	9:00:00 PM	0.01
Sunday, October 25, 2015	10:00:00 PM	0.01
Sunday, October 25, 2015	11:00:00 PM	0
Monday, October 26, 2015	12:00:00 AM	0
Monday, October 26, 2015	1:00:00 AM	0
Monday, October 26, 2015	2:00:00 AM	0
Monday, October 26, 2015	3:00:00 AM	0
Monday, October 26, 2015	4:00:00 AM	0
Monday, October 26, 2015	5:00:00 AM	0
Monday, October 26, 2015	6:00:00 AM	0
Monday, October 26, 2015	7:00:00 AM	0
Monday, October 26, 2015	8:00:00 AM	0
Monday, October 26, 2015	9:00:00 AM	0
Monday, October 26, 2015	10:00:00 AM	0
Monday, October 26, 2015	11:00:00 AM	0
Monday, October 26, 2015	12:00:00 PM	0.02
Monday, October 26, 2015	1:00:00 PM	0.02
Monday, October 26, 2015	2:00:00 PM	0.01

Date	Time	Hourly RAIN (in)
Monday, October 26, 2015	3:00:00 PM	0.04
Monday, October 26, 2015	4:00:00 PM	0
Monday, October 26, 2015	5:00:00 PM	0
Monday, October 26, 2015	6:00:00 PM	0
Monday, October 26, 2015	7:00:00 PM	0
Monday, October 26, 2015	8:00:00 PM	0
Monday, October 26, 2015	9:00:00 PM	0
Monday, October 26, 2015	10:00:00 PM	0
Monday, October 26, 2015	11:00:00 PM	0
Tuesday, October 27, 2015	12:00:00 AM	0.01
Tuesday, October 27, 2015	1:00:00 AM	0
Tuesday, October 27, 2015	2:00:00 AM	0
Tuesday, October 27, 2015	3:00:00 AM	0
Tuesday, October 27, 2015	4:00:00 AM	0
Tuesday, October 27, 2015	5:00:00 AM	0
Tuesday, October 27, 2015	6:00:00 AM	0
Tuesday, October 27, 2015	7:00:00 AM	0
Tuesday, October 27, 2015	8:00:00 AM	0
Tuesday, October 27, 2015	9:00:00 AM	0
Tuesday, October 27, 2015	10:00:00 AM	0
Tuesday, October 27, 2015	11:00:00 AM	0
Tuesday, October 27, 2015	12:00:00 PM	0
Tuesday, October 27, 2015	1:00:00 PM	0
Tuesday, October 27, 2015	2:00:00 PM	0
Tuesday, October 27, 2015	3:00:00 PM	0
Tuesday, October 27, 2015	4:00:00 PM	0
Tuesday, October 27, 2015	5:00:00 PM	0
Tuesday, October 27, 2015	6:00:00 PM	0
Tuesday, October 27, 2015	7:00:00 PM	0
Tuesday, October 27, 2015	8:00:00 PM	0
Tuesday, October 27, 2015	9:00:00 PM	0
Tuesday, October 27, 2015	10:00:00 PM	0
Tuesday, October 27, 2015	11:00:00 PM	0
Wednesday, October 28, 2015	12:00:00 AM	0
Wednesday, October 28, 2015	1:00:00 AM	0
Wednesday, October 28, 2015	2:00:00 AM	0
Wednesday, October 28, 2015	3:00:00 AM	0
Wednesday, October 28, 2015	4:00:00 AM	0
Wednesday, October 28, 2015	5:00:00 AM	0
Wednesday, October 28, 2015	6:00:00 AM	0
Wednesday, October 28, 2015	7:00:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, October 28, 2015	8:00:00 AM	0
Wednesday, October 28, 2015	9:00:00 AM	0
Wednesday, October 28, 2015	10:00:00 AM	0
Wednesday, October 28, 2015	11:00:00 AM	0
Wednesday, October 28, 2015	12:00:00 PM	0
Wednesday, October 28, 2015	1:00:00 PM	0
Wednesday, October 28, 2015	2:00:00 PM	0
Wednesday, October 28, 2015	3:00:00 PM	0
Wednesday, October 28, 2015	4:00:00 PM	0
Wednesday, October 28, 2015	5:00:00 PM	0
Wednesday, October 28, 2015	6:00:00 PM	0
Wednesday, October 28, 2015	7:00:00 PM	0
Wednesday, October 28, 2015	8:00:00 PM	0
Wednesday, October 28, 2015	9:00:00 PM	0
Wednesday, October 28, 2015	10:00:00 PM	0
Wednesday, October 28, 2015	11:00:00 PM	0
Thursday, October 29, 2015	12:00:00 AM	0
Thursday, October 29, 2015	1:00:00 AM	0
Thursday, October 29, 2015	2:00:00 AM	0
Thursday, October 29, 2015	3:00:00 AM	0
Thursday, October 29, 2015	4:00:00 AM	0
Thursday, October 29, 2015	5:00:00 AM	0
Thursday, October 29, 2015	6:00:00 AM	0
Thursday, October 29, 2015	7:00:00 AM	0
Thursday, October 29, 2015	8:00:00 AM	0
Thursday, October 29, 2015	9:00:00 AM	0
Thursday, October 29, 2015	10:00:00 AM	0
Thursday, October 29, 2015	11:00:00 AM	0
Thursday, October 29, 2015	12:00:00 PM	0
Thursday, October 29, 2015	1:00:00 PM	0
Thursday, October 29, 2015	2:00:00 PM	0
Thursday, October 29, 2015	3:00:00 PM	0
Thursday, October 29, 2015	4:00:00 PM	0
Thursday, October 29, 2015	5:00:00 PM	0
Thursday, October 29, 2015	6:00:00 PM	0
Thursday, October 29, 2015	7:00:00 PM	0
Thursday, October 29, 2015	8:00:00 PM	0
Thursday, October 29, 2015	9:00:00 PM	0
Thursday, October 29, 2015	10:00:00 PM	0
Thursday, October 29, 2015	11:00:00 PM	0
Friday, October 30, 2015	12:00:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, October 30, 2015	1:00:00 AM	0
Friday, October 30, 2015	2:00:00 AM	0
Friday, October 30, 2015	3:00:00 AM	0
Friday, October 30, 2015	4:00:00 AM	0
Friday, October 30, 2015	5:00:00 AM	0
Friday, October 30, 2015	6:00:00 AM	0
Friday, October 30, 2015	7:00:00 AM	0
Friday, October 30, 2015	8:00:00 AM	0
Friday, October 30, 2015	9:00:00 AM	0
Friday, October 30, 2015	10:00:00 AM	0
Friday, October 30, 2015	11:00:00 AM	0
Friday, October 30, 2015	12:00:00 PM	0
Friday, October 30, 2015	1:00:00 PM	0
Friday, October 30, 2015	2:00:00 PM	0
Friday, October 30, 2015	3:00:00 PM	0
Friday, October 30, 2015	4:00:00 PM	0
Friday, October 30, 2015	5:00:00 PM	0
Friday, October 30, 2015	6:00:00 PM	0
Friday, October 30, 2015	7:00:00 PM	0
Friday, October 30, 2015	8:00:00 PM	0
Friday, October 30, 2015	9:00:00 PM	0
Friday, October 30, 2015	10:00:00 PM	0
Friday, October 30, 2015	11:00:00 PM	0
Saturday, October 31, 2015	12:00:00 AM	0
Saturday, October 31, 2015	1:00:00 AM	0
Saturday, October 31, 2015	2:00:00 AM	0
Saturday, October 31, 2015	3:00:00 AM	0
Saturday, October 31, 2015	4:00:00 AM	0
Saturday, October 31, 2015	5:00:00 AM	0
Saturday, October 31, 2015	6:00:00 AM	0
Saturday, October 31, 2015	7:00:00 AM	0
Saturday, October 31, 2015	8:00:00 AM	0
Saturday, October 31, 2015	9:00:00 AM	0
Saturday, October 31, 2015	10:00:00 AM	0
Saturday, October 31, 2015	11:00:00 AM	0
Saturday, October 31, 2015	12:00:00 PM	0
Saturday, October 31, 2015	1:00:00 PM	0
Saturday, October 31, 2015	2:00:00 PM	0
Saturday, October 31, 2015	3:00:00 PM	0
Saturday, October 31, 2015	4:00:00 PM	0
Saturday, October 31, 2015	5:00:00 PM	0

Date	Time	Hourly RAIN (in)
Saturday, October 31, 2015	6:00:00 PM	0
Saturday, October 31, 2015	7:00:00 PM	0
Saturday, October 31, 2015	8:00:00 PM	0
Saturday, October 31, 2015	9:00:00 PM	0
Saturday, October 31, 2015	10:00:00 PM	0
Saturday, October 31, 2015	11:00:00 PM	0

Date	Time	Hourly RAIN (in)
Sunday, November 01, 2015		
Sunday, November 01, 2015	1:00:00 AM	0
Sunday, November 01, 2015	2:00:00 AM	0
Sunday, November 01, 2015	3:00:00 AM	0
Sunday, November 01, 2015	4:00:00 AM	0
Sunday, November 01, 2015	5:00:00 AM	0
Sunday, November 01, 2015	6:00:00 AM	0
Sunday, November 01, 2015	7:00:00 AM	0
Sunday, November 01, 2015	8:00:00 AM	0
Sunday, November 01, 2015	9:00:00 AM	0
Sunday, November 01, 2015	10:00:00 AM	0.12
Sunday, November 01, 2015	11:00:00 AM	0.01
Sunday, November 01, 2015	12:00:00 PM	0
Sunday, November 01, 2015	1:00:00 PM	0
Sunday, November 01, 2015	2:00:00 PM	0
Sunday, November 01, 2015	3:00:00 PM	0
Sunday, November 01, 2015	4:00:00 PM	0
Sunday, November 01, 2015	5:00:00 PM	0
Sunday, November 01, 2015	6:00:00 PM	0
Sunday, November 01, 2015	7:00:00 PM	0
Sunday, November 01, 2015	8:00:00 PM	0
Sunday, November 01, 2015	9:00:00 PM	0
Sunday, November 01, 2015	10:00:00 PM	0
Sunday, November 01, 2015	11:00:00 PM	0
Monday, November 02, 2015	12:00:00 AM	0
Monday, November 02, 2015	1:00:00 AM	0
Monday, November 02, 2015	2:00:00 AM	0
Monday, November 02, 2015	3:00:00 AM	0
Monday, November 02, 2015	4:00:00 AM	0
Monday, November 02, 2015	5:00:00 AM	0
Monday, November 02, 2015	6:00:00 AM	0
Monday, November 02, 2015	7:00:00 AM	0
Monday, November 02, 2015	8:00:00 AM	0
Monday, November 02, 2015	9:00:00 AM	0
Monday, November 02, 2015	10:00:00 AM	0
Monday, November 02, 2015	11:00:00 AM	0
Monday, November 02, 2015	12:00:00 PM	0
Monday, November 02, 2015	1:00:00 PM	0
Monday, November 02, 2015	2:00:00 PM	0
Monday, November 02, 2015	3:00:00 PM	0
Monday, November 02, 2015	4:00:00 PM	0

Date	Time	Hourly RAIN (in)
Monday, November 02, 2015	5:00:00 PM	0
Monday, November 02, 2015	6:00:00 PM	0
Monday, November 02, 2015	7:00:00 PM	0
Monday, November 02, 2015	8:00:00 PM	0
Monday, November 02, 2015	9:00:00 PM	0
Monday, November 02, 2015	10:00:00 PM	0
Monday, November 02, 2015	11:00:00 PM	0.14
Tuesday, November 03, 2015	12:00:00 AM	0.04
Tuesday, November 03, 2015	1:00:00 AM	0
Tuesday, November 03, 2015	2:00:00 AM	0.02
Tuesday, November 03, 2015	3:00:00 AM	0
Tuesday, November 03, 2015	4:00:00 AM	0
Tuesday, November 03, 2015	5:00:00 AM	0.01
Tuesday, November 03, 2015	6:00:00 AM	0.05
Tuesday, November 03, 2015	7:00:00 AM	0
Tuesday, November 03, 2015	8:00:00 AM	0
Tuesday, November 03, 2015	9:00:00 AM	0.16
Tuesday, November 03, 2015	10:00:00 AM	0.01
Tuesday, November 03, 2015	11:00:00 AM	0
Tuesday, November 03, 2015	12:00:00 PM	0
Tuesday, November 03, 2015	1:00:00 PM	0
Tuesday, November 03, 2015	2:00:00 PM	0
Tuesday, November 03, 2015	3:00:00 PM	0
Tuesday, November 03, 2015	4:00:00 PM	0
Tuesday, November 03, 2015	5:00:00 PM	0
Tuesday, November 03, 2015	6:00:00 PM	0
Tuesday, November 03, 2015	7:00:00 PM	0
Tuesday, November 03, 2015	8:00:00 PM	0
Tuesday, November 03, 2015	9:00:00 PM	0
Tuesday, November 03, 2015	10:00:00 PM	0
Tuesday, November 03, 2015	11:00:00 PM	0
Wednesday, November 04, 2015	12:00:00 AM	0
Wednesday, November 04, 2015	1:00:00 AM	0
Wednesday, November 04, 2015	2:00:00 AM	0
Wednesday, November 04, 2015	3:00:00 AM	0
Wednesday, November 04, 2015	4:00:00 AM	0
Wednesday, November 04, 2015	5:00:00 AM	0
Wednesday, November 04, 2015	6:00:00 AM	0
Wednesday, November 04, 2015	7:00:00 AM	0
Wednesday, November 04, 2015	8:00:00 AM	0
Wednesday, November 04, 2015	9:00:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, November 04, 2015	10:00:00 AM	0
Wednesday, November 04, 2015	11:00:00 AM	0
Wednesday, November 04, 2015	12:00:00 PM	0
Wednesday, November 04, 2015	1:00:00 PM	0
Wednesday, November 04, 2015	2:00:00 PM	0
Wednesday, November 04, 2015	3:00:00 PM	0
Wednesday, November 04, 2015	4:00:00 PM	0
Wednesday, November 04, 2015	5:00:00 PM	0
Wednesday, November 04, 2015	6:00:00 PM	0
Wednesday, November 04, 2015	7:00:00 PM	0
Wednesday, November 04, 2015	8:00:00 PM	0
Wednesday, November 04, 2015	9:00:00 PM	0
Wednesday, November 04, 2015	10:00:00 PM	0
Wednesday, November 04, 2015	11:00:00 PM	0
Thursday, November 05, 2015	12:00:00 AM	0
Thursday, November 05, 2015	1:00:00 AM	0
Thursday, November 05, 2015	2:00:00 AM	0
Thursday, November 05, 2015	3:00:00 AM	0
Thursday, November 05, 2015	4:00:00 AM	0
Thursday, November 05, 2015	5:00:00 AM	0
Thursday, November 05, 2015	6:00:00 AM	0
Thursday, November 05, 2015	7:00:00 AM	0
Thursday, November 05, 2015	8:00:00 AM	0
Thursday, November 05, 2015	9:00:00 AM	0
Thursday, November 05, 2015	10:00:00 AM	0
Thursday, November 05, 2015	11:00:00 AM	0
Thursday, November 05, 2015	12:00:00 PM	0
Thursday, November 05, 2015	1:00:00 PM	0
Thursday, November 05, 2015	2:00:00 PM	0
Thursday, November 05, 2015	3:00:00 PM	0
Thursday, November 05, 2015	4:00:00 PM	0
Thursday, November 05, 2015	5:00:00 PM	0
Thursday, November 05, 2015	6:00:00 PM	0
Thursday, November 05, 2015	7:00:00 PM	0
Thursday, November 05, 2015	8:00:00 PM	0
Thursday, November 05, 2015	9:00:00 PM	0
Thursday, November 05, 2015	10:00:00 PM	0
Thursday, November 05, 2015	11:00:00 PM	0
Friday, November 06, 2015	12:00:00 AM	0
Friday, November 06, 2015	1:00:00 AM	0
Friday, November 06, 2015	2:00:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, November 06, 2015	3:00:00 AM	0
Friday, November 06, 2015	4:00:00 AM	0
Friday, November 06, 2015	5:00:00 AM	0
Friday, November 06, 2015	6:00:00 AM	0
Friday, November 06, 2015	7:00:00 AM	0
Friday, November 06, 2015	8:00:00 AM	0
Friday, November 06, 2015	9:00:00 AM	0
Friday, November 06, 2015	10:00:00 AM	0
Friday, November 06, 2015	11:00:00 AM	0
Friday, November 06, 2015	12:00:00 PM	0
Friday, November 06, 2015	1:00:00 PM	0
Friday, November 06, 2015	2:00:00 PM	0
Friday, November 06, 2015	3:00:00 PM	0
Friday, November 06, 2015	4:00:00 PM	0
Friday, November 06, 2015	5:00:00 PM	0
Friday, November 06, 2015	6:00:00 PM	0
Friday, November 06, 2015	7:00:00 PM	0.01
Friday, November 06, 2015	8:00:00 PM	0
Friday, November 06, 2015	9:00:00 PM	0
Friday, November 06, 2015	10:00:00 PM	0
Friday, November 06, 2015	11:00:00 PM	0.07
Saturday, November 07, 2015	12:00:00 AM	0.02
Saturday, November 07, 2015	1:00:00 AM	0
Saturday, November 07, 2015	2:00:00 AM	0
Saturday, November 07, 2015	3:00:00 AM	0
Saturday, November 07, 2015	4:00:00 AM	0.46
Saturday, November 07, 2015	5:00:00 AM	0
Saturday, November 07, 2015	6:00:00 AM	0
Saturday, November 07, 2015	7:00:00 AM	0
Saturday, November 07, 2015	8:00:00 AM	0.01
Saturday, November 07, 2015	9:00:00 AM	0
Saturday, November 07, 2015	10:00:00 AM	0
Saturday, November 07, 2015	11:00:00 AM	0.02
Saturday, November 07, 2015	12:00:00 PM	0.11
Saturday, November 07, 2015	1:00:00 PM	0
Saturday, November 07, 2015	2:00:00 PM	0.05
Saturday, November 07, 2015	3:00:00 PM	0.2
Saturday, November 07, 2015	4:00:00 PM	0.88
Saturday, November 07, 2015	5:00:00 PM	0.01
Saturday, November 07, 2015	6:00:00 PM	0.01
Saturday, November 07, 2015	7:00:00 PM	0.01

Date	Time	Hourly RAIN (in)
Saturday, November 07, 2015	8:00:00 PM	0
Saturday, November 07, 2015	9:00:00 PM	0
Saturday, November 07, 2015	10:00:00 PM	0
Saturday, November 07, 2015	11:00:00 PM	0
Sunday, November 08, 2015	12:00:00 AM	0.02
Sunday, November 08, 2015	1:00:00 AM	0
Sunday, November 08, 2015	2:00:00 AM	0
Sunday, November 08, 2015	3:00:00 AM	0.06
Sunday, November 08, 2015	4:00:00 AM	0.1
Sunday, November 08, 2015	5:00:00 AM	0
Sunday, November 08, 2015	6:00:00 AM	0
Sunday, November 08, 2015	7:00:00 AM	0.02
Sunday, November 08, 2015	8:00:00 AM	0
Sunday, November 08, 2015	9:00:00 AM	0
Sunday, November 08, 2015	10:00:00 AM	0
Sunday, November 08, 2015	11:00:00 AM	0
Sunday, November 08, 2015	12:00:00 PM	0
Sunday, November 08, 2015	1:00:00 PM	0
Sunday, November 08, 2015	2:00:00 PM	0.1
Sunday, November 08, 2015	3:00:00 PM	0.07
Sunday, November 08, 2015	4:00:00 PM	0.38
Sunday, November 08, 2015	5:00:00 PM	0
Sunday, November 08, 2015	6:00:00 PM	0
Sunday, November 08, 2015	7:00:00 PM	0
Sunday, November 08, 2015	8:00:00 PM	0
Sunday, November 08, 2015	9:00:00 PM	0
Sunday, November 08, 2015	10:00:00 PM	0
Sunday, November 08, 2015	11:00:00 PM	0
Monday, November 09, 2015	12:00:00 AM	0
Monday, November 09, 2015	1:00:00 AM	0
Monday, November 09, 2015	2:00:00 AM	0
Monday, November 09, 2015	3:00:00 AM	0
Monday, November 09, 2015	4:00:00 AM	0
Monday, November 09, 2015	5:00:00 AM	0
Monday, November 09, 2015	6:00:00 AM	0
Monday, November 09, 2015	7:00:00 AM	0
Monday, November 09, 2015	8:00:00 AM	0
Monday, November 09, 2015	9:00:00 AM	0.13
Monday, November 09, 2015	10:00:00 AM	0
Monday, November 09, 2015	11:00:00 AM	0
Monday, November 09, 2015	12:00:00 PM	0

Date	Time	Hourly RAIN (in)
Monday, November 09, 2015	1:00:00 PM	0
Monday, November 09, 2015	2:00:00 PM	0
Monday, November 09, 2015	3:00:00 PM	0
Monday, November 09, 2015	4:00:00 PM	0
Monday, November 09, 2015	5:00:00 PM	0
Monday, November 09, 2015	6:00:00 PM	0
Monday, November 09, 2015	7:00:00 PM	0
Monday, November 09, 2015	8:00:00 PM	0
Monday, November 09, 2015	9:00:00 PM	0
Monday, November 09, 2015	10:00:00 PM	0
Monday, November 09, 2015	11:00:00 PM	0
Tuesday, November 10, 2015	12:00:00 AM	0
Tuesday, November 10, 2015	1:00:00 AM	0.07
Tuesday, November 10, 2015	2:00:00 AM	0.1
Tuesday, November 10, 2015	3:00:00 AM	0.02
Tuesday, November 10, 2015	4:00:00 AM	0.01
Tuesday, November 10, 2015	5:00:00 AM	0.21
Tuesday, November 10, 2015	6:00:00 AM	0.3
Tuesday, November 10, 2015	7:00:00 AM	0
Tuesday, November 10, 2015	8:00:00 AM	0
Tuesday, November 10, 2015	9:00:00 AM	0.05
Tuesday, November 10, 2015	10:00:00 AM	0
Tuesday, November 10, 2015	11:00:00 AM	0
Tuesday, November 10, 2015	12:00:00 PM	0
Tuesday, November 10, 2015	1:00:00 PM	0
Tuesday, November 10, 2015	2:00:00 PM	0
Tuesday, November 10, 2015	3:00:00 PM	0
Tuesday, November 10, 2015	4:00:00 PM	0.04
Tuesday, November 10, 2015	5:00:00 PM	0
Tuesday, November 10, 2015	6:00:00 PM	0
Tuesday, November 10, 2015	7:00:00 PM	0
Tuesday, November 10, 2015	8:00:00 PM	0
Tuesday, November 10, 2015	9:00:00 PM	0
Tuesday, November 10, 2015	10:00:00 PM	0
Tuesday, November 10, 2015	11:00:00 PM	0
Wednesday, November 11, 2015	12:00:00 AM	0
Wednesday, November 11, 2015	1:00:00 AM	0
Wednesday, November 11, 2015	2:00:00 AM	0
Wednesday, November 11, 2015	3:00:00 AM	0
Wednesday, November 11, 2015	4:00:00 AM	0
Wednesday, November 11, 2015	5:00:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, November 11, 2015	6:00:00 AM	0
Wednesday, November 11, 2015	7:00:00 AM	0
Wednesday, November 11, 2015	8:00:00 AM	0
Wednesday, November 11, 2015	9:00:00 AM	0
Wednesday, November 11, 2015	10:00:00 AM	0
Wednesday, November 11, 2015	11:00:00 AM	0
Wednesday, November 11, 2015	12:00:00 PM	0
Wednesday, November 11, 2015	1:00:00 PM	0
Wednesday, November 11, 2015	2:00:00 PM	0
Wednesday, November 11, 2015	3:00:00 PM	0
Wednesday, November 11, 2015	4:00:00 PM	0
Wednesday, November 11, 2015	5:00:00 PM	0
Wednesday, November 11, 2015	6:00:00 PM	0
Wednesday, November 11, 2015	7:00:00 PM	0
Wednesday, November 11, 2015	8:00:00 PM	0
Wednesday, November 11, 2015	9:00:00 PM	0
Wednesday, November 11, 2015	10:00:00 PM	0
Wednesday, November 11, 2015	11:00:00 PM	0
Thursday, November 12, 2015	12:00:00 AM	0
Thursday, November 12, 2015	1:00:00 AM	0
Thursday, November 12, 2015	2:00:00 AM	0
Thursday, November 12, 2015	3:00:00 AM	0
Thursday, November 12, 2015	4:00:00 AM	0
Thursday, November 12, 2015	5:00:00 AM	0
Thursday, November 12, 2015	6:00:00 AM	0
Thursday, November 12, 2015	7:00:00 AM	0
Thursday, November 12, 2015	8:00:00 AM	0
Thursday, November 12, 2015	9:00:00 AM	0
Thursday, November 12, 2015	10:00:00 AM	0
Thursday, November 12, 2015	11:00:00 AM	0
Thursday, November 12, 2015	12:00:00 PM	0
Thursday, November 12, 2015	1:00:00 PM	0
Thursday, November 12, 2015	2:00:00 PM	0
Thursday, November 12, 2015	3:00:00 PM	0
Thursday, November 12, 2015	4:00:00 PM	0
Thursday, November 12, 2015	5:00:00 PM	0
Thursday, November 12, 2015	6:00:00 PM	0
Thursday, November 12, 2015	7:00:00 PM	0
Thursday, November 12, 2015	8:00:00 PM	0
Thursday, November 12, 2015	9:00:00 PM	0
Thursday, November 12, 2015	10:00:00 PM	0

Date	Time	Hourly RAIN (in)
Thursday, November 12, 2015	11:00:00 PM	0
Friday, November 13, 2015	12:00:00 AM	0
Friday, November 13, 2015	1:00:00 AM	0
Friday, November 13, 2015	2:00:00 AM	0
Friday, November 13, 2015	3:00:00 AM	0
Friday, November 13, 2015	4:00:00 AM	0
Friday, November 13, 2015	5:00:00 AM	0
Friday, November 13, 2015	6:00:00 AM	0
Friday, November 13, 2015	7:00:00 AM	0
Friday, November 13, 2015	8:00:00 AM	0
Friday, November 13, 2015	9:00:00 AM	0
Friday, November 13, 2015	10:00:00 AM	0
Friday, November 13, 2015	11:00:00 AM	0
Friday, November 13, 2015	12:00:00 PM	0
Friday, November 13, 2015	1:00:00 PM	0
Friday, November 13, 2015	2:00:00 PM	0
Friday, November 13, 2015	3:00:00 PM	0
Friday, November 13, 2015	4:00:00 PM	0
Friday, November 13, 2015	5:00:00 PM	0
Friday, November 13, 2015	6:00:00 PM	0
Friday, November 13, 2015	7:00:00 PM	0
Friday, November 13, 2015	8:00:00 PM	0
Friday, November 13, 2015	9:00:00 PM	0
Friday, November 13, 2015	10:00:00 PM	0
Friday, November 13, 2015	11:00:00 PM	0
Saturday, November 14, 2015	12:00:00 AM	0
Saturday, November 14, 2015	1:00:00 AM	0
Saturday, November 14, 2015	2:00:00 AM	0
Saturday, November 14, 2015	3:00:00 AM	0
Saturday, November 14, 2015	4:00:00 AM	0
Saturday, November 14, 2015	5:00:00 AM	0
Saturday, November 14, 2015	6:00:00 AM	0
Saturday, November 14, 2015	7:00:00 AM	0
Saturday, November 14, 2015	8:00:00 AM	0
Saturday, November 14, 2015	9:00:00 AM	0
Saturday, November 14, 2015	10:00:00 AM	0
Saturday, November 14, 2015	11:00:00 AM	0.11
Saturday, November 14, 2015	12:00:00 PM	0
Saturday, November 14, 2015	1:00:00 PM	0
Saturday, November 14, 2015	2:00:00 PM	0
Saturday, November 14, 2015	3:00:00 PM	0

Date	Time	Hourly RAIN (in)
Saturday, November 14, 2015	4:00:00 PM	0
Saturday, November 14, 2015	5:00:00 PM	0
Saturday, November 14, 2015	6:00:00 PM	0
Saturday, November 14, 2015	7:00:00 PM	0
Saturday, November 14, 2015	8:00:00 PM	0
Saturday, November 14, 2015	9:00:00 PM	0
Saturday, November 14, 2015	10:00:00 PM	0
Saturday, November 14, 2015	11:00:00 PM	0
Sunday, November 15, 2015	12:00:00 AM	0
Sunday, November 15, 2015	1:00:00 AM	0
Sunday, November 15, 2015	2:00:00 AM	0
Sunday, November 15, 2015	3:00:00 AM	0
Sunday, November 15, 2015	4:00:00 AM	0
Sunday, November 15, 2015	5:00:00 AM	0
Sunday, November 15, 2015	6:00:00 AM	0
Sunday, November 15, 2015	7:00:00 AM	0
Sunday, November 15, 2015	8:00:00 AM	0
Sunday, November 15, 2015	9:00:00 AM	0
Sunday, November 15, 2015	10:00:00 AM	0
Sunday, November 15, 2015	11:00:00 AM	0
Sunday, November 15, 2015	12:00:00 PM	0
Sunday, November 15, 2015	1:00:00 PM	0
Sunday, November 15, 2015	2:00:00 PM	0
Sunday, November 15, 2015	3:00:00 PM	0.03
Sunday, November 15, 2015	4:00:00 PM	0
Sunday, November 15, 2015	5:00:00 PM	0
Sunday, November 15, 2015	6:00:00 PM	0
Sunday, November 15, 2015	7:00:00 PM	0
Sunday, November 15, 2015	8:00:00 PM	0.05
Sunday, November 15, 2015	9:00:00 PM	0
Sunday, November 15, 2015	10:00:00 PM	0
Sunday, November 15, 2015	11:00:00 PM	0
Monday, November 16, 2015	12:00:00 AM	0
Monday, November 16, 2015	1:00:00 AM	0
Monday, November 16, 2015	2:00:00 AM	0
Monday, November 16, 2015	3:00:00 AM	0
Monday, November 16, 2015	4:00:00 AM	0
Monday, November 16, 2015	5:00:00 AM	0
Monday, November 16, 2015	6:00:00 AM	0.06
Monday, November 16, 2015	7:00:00 AM	0
Monday, November 16, 2015	8:00:00 AM	0

Date	Time	Hourly RAIN (in)
Monday, November 16, 2015	9:00:00 AM	0
Monday, November 16, 2015	10:00:00 AM	0
Monday, November 16, 2015	11:00:00 AM	0
Monday, November 16, 2015	12:00:00 PM	0
Monday, November 16, 2015	1:00:00 PM	0
Monday, November 16, 2015	2:00:00 PM	0
Monday, November 16, 2015	3:00:00 PM	0.06
Monday, November 16, 2015	4:00:00 PM	0
Monday, November 16, 2015	5:00:00 PM	0
Monday, November 16, 2015	6:00:00 PM	0
Monday, November 16, 2015	7:00:00 PM	0
Monday, November 16, 2015	8:00:00 PM	0
Monday, November 16, 2015	9:00:00 PM	0
Monday, November 16, 2015	10:00:00 PM	0
Monday, November 16, 2015	11:00:00 PM	0.08
Tuesday, November 17, 2015	12:00:00 AM	0
Tuesday, November 17, 2015	1:00:00 AM	0
Tuesday, November 17, 2015	2:00:00 AM	0
Tuesday, November 17, 2015	3:00:00 AM	0
Tuesday, November 17, 2015	4:00:00 AM	0
Tuesday, November 17, 2015	5:00:00 AM	0
Tuesday, November 17, 2015	6:00:00 AM	0.01
Tuesday, November 17, 2015	7:00:00 AM	0.01
Tuesday, November 17, 2015	8:00:00 AM	0
Tuesday, November 17, 2015	9:00:00 AM	0
Tuesday, November 17, 2015	10:00:00 AM	0
Tuesday, November 17, 2015	11:00:00 AM	0
Tuesday, November 17, 2015	12:00:00 PM	0
Tuesday, November 17, 2015	1:00:00 PM	0
Tuesday, November 17, 2015	2:00:00 PM	0
Tuesday, November 17, 2015	3:00:00 PM	0
Tuesday, November 17, 2015	4:00:00 PM	0
Tuesday, November 17, 2015	5:00:00 PM	0
Tuesday, November 17, 2015	6:00:00 PM	0
Tuesday, November 17, 2015	7:00:00 PM	0
Tuesday, November 17, 2015	8:00:00 PM	0
Tuesday, November 17, 2015	9:00:00 PM	0
Tuesday, November 17, 2015	10:00:00 PM	0
Tuesday, November 17, 2015	11:00:00 PM	0
Wednesday, November 18, 2015	12:00:00 AM	0
Wednesday, November 18, 2015	1:00:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, November 18, 2015	2:00:00 AM	0
Wednesday, November 18, 2015	3:00:00 AM	0
Wednesday, November 18, 2015	4:00:00 AM	0
Wednesday, November 18, 2015	5:00:00 AM	0
Wednesday, November 18, 2015	6:00:00 AM	0.02
Wednesday, November 18, 2015	7:00:00 AM	0.06
Wednesday, November 18, 2015	8:00:00 AM	0
Wednesday, November 18, 2015	9:00:00 AM	0
Wednesday, November 18, 2015	10:00:00 AM	0.02
Wednesday, November 18, 2015	11:00:00 AM	0
Wednesday, November 18, 2015	12:00:00 PM	0
Wednesday, November 18, 2015	1:00:00 PM	0
Wednesday, November 18, 2015	2:00:00 PM	0
Wednesday, November 18, 2015	3:00:00 PM	0
Wednesday, November 18, 2015	4:00:00 PM	0
Wednesday, November 18, 2015	5:00:00 PM	0
Wednesday, November 18, 2015	6:00:00 PM	0
Wednesday, November 18, 2015	7:00:00 PM	0
Wednesday, November 18, 2015	8:00:00 PM	0
Wednesday, November 18, 2015	9:00:00 PM	0
Wednesday, November 18, 2015	10:00:00 PM	0
Wednesday, November 18, 2015	11:00:00 PM	0
Thursday, November 19, 2015	12:00:00 AM	0
Thursday, November 19, 2015	1:00:00 AM	0
Thursday, November 19, 2015	2:00:00 AM	0
Thursday, November 19, 2015	3:00:00 AM	0
Thursday, November 19, 2015	4:00:00 AM	0
Thursday, November 19, 2015	5:00:00 AM	0
Thursday, November 19, 2015	6:00:00 AM	0
Thursday, November 19, 2015	7:00:00 AM	0
Thursday, November 19, 2015	8:00:00 AM	0
Thursday, November 19, 2015	9:00:00 AM	0
Thursday, November 19, 2015	10:00:00 AM	0
Thursday, November 19, 2015	11:00:00 AM	0
Thursday, November 19, 2015	12:00:00 PM	0
Thursday, November 19, 2015	1:00:00 PM	0
Thursday, November 19, 2015	2:00:00 PM	0
Thursday, November 19, 2015	3:00:00 PM	0
Thursday, November 19, 2015	4:00:00 PM	0
Thursday, November 19, 2015	5:00:00 PM	0
Thursday, November 19, 2015	6:00:00 PM	0

Date	Time	Hourly RAIN (in)
Thursday, November 19, 2015	7:00:00 PM	0
Thursday, November 19, 2015	8:00:00 PM	0
Thursday, November 19, 2015	9:00:00 PM	0
Thursday, November 19, 2015	10:00:00 PM	0
Thursday, November 19, 2015	11:00:00 PM	0
Friday, November 20, 2015	12:00:00 AM	0
Friday, November 20, 2015	1:00:00 AM	0
Friday, November 20, 2015	2:00:00 AM	0
Friday, November 20, 2015	3:00:00 AM	0
Friday, November 20, 2015	4:00:00 AM	0
Friday, November 20, 2015	5:00:00 AM	0
Friday, November 20, 2015	6:00:00 AM	0
Friday, November 20, 2015	7:00:00 AM	0
Friday, November 20, 2015	8:00:00 AM	0
Friday, November 20, 2015	9:00:00 AM	0
Friday, November 20, 2015	10:00:00 AM	0
Friday, November 20, 2015	11:00:00 AM	0
Friday, November 20, 2015	12:00:00 PM	0
Friday, November 20, 2015	1:00:00 PM	0
Friday, November 20, 2015	2:00:00 PM	0
Friday, November 20, 2015	3:00:00 PM	0
Friday, November 20, 2015	4:00:00 PM	0
Friday, November 20, 2015	5:00:00 PM	0
Friday, November 20, 2015	6:00:00 PM	0
Friday, November 20, 2015	7:00:00 PM	0
Friday, November 20, 2015	8:00:00 PM	0
Friday, November 20, 2015	9:00:00 PM	0
Friday, November 20, 2015	10:00:00 PM	0
Friday, November 20, 2015	11:00:00 PM	0
Saturday, November 21, 2015	12:00:00 AM	0
Saturday, November 21, 2015	1:00:00 AM	0
Saturday, November 21, 2015	2:00:00 AM	0
Saturday, November 21, 2015	3:00:00 AM	0
Saturday, November 21, 2015	4:00:00 AM	0
Saturday, November 21, 2015	5:00:00 AM	0
Saturday, November 21, 2015	6:00:00 AM	0
Saturday, November 21, 2015	7:00:00 AM	0
Saturday, November 21, 2015	8:00:00 AM	0
Saturday, November 21, 2015	9:00:00 AM	0
Saturday, November 21, 2015	10:00:00 AM	0
Saturday, November 21, 2015	11:00:00 AM	0

Date	Time	Hourly RAIN (in)
Saturday, November 21, 2015	12:00:00 PM	0
Saturday, November 21, 2015	1:00:00 PM	0
Saturday, November 21, 2015	2:00:00 PM	0
Saturday, November 21, 2015	3:00:00 PM	0
Saturday, November 21, 2015	4:00:00 PM	0
Saturday, November 21, 2015	5:00:00 PM	0
Saturday, November 21, 2015	6:00:00 PM	0
Saturday, November 21, 2015	7:00:00 PM	0
Saturday, November 21, 2015	8:00:00 PM	0
Saturday, November 21, 2015	9:00:00 PM	0
Saturday, November 21, 2015	10:00:00 PM	0
Saturday, November 21, 2015	11:00:00 PM	0
Sunday, November 22, 2015	12:00:00 AM	0
Sunday, November 22, 2015	1:00:00 AM	0
Sunday, November 22, 2015	2:00:00 AM	0
Sunday, November 22, 2015	3:00:00 AM	0
Sunday, November 22, 2015	4:00:00 AM	0
Sunday, November 22, 2015	5:00:00 AM	0
Sunday, November 22, 2015	6:00:00 AM	0
Sunday, November 22, 2015	7:00:00 AM	0
Sunday, November 22, 2015	8:00:00 AM	0
Sunday, November 22, 2015	9:00:00 AM	0
Sunday, November 22, 2015	10:00:00 AM	0
Sunday, November 22, 2015	11:00:00 AM	0
Sunday, November 22, 2015	12:00:00 PM	0
Sunday, November 22, 2015	1:00:00 PM	0
Sunday, November 22, 2015	2:00:00 PM	0
Sunday, November 22, 2015	3:00:00 PM	0
Sunday, November 22, 2015	4:00:00 PM	0
Sunday, November 22, 2015	5:00:00 PM	0
Sunday, November 22, 2015	6:00:00 PM	0
Sunday, November 22, 2015	7:00:00 PM	0
Sunday, November 22, 2015	8:00:00 PM	0
Sunday, November 22, 2015	9:00:00 PM	0
Sunday, November 22, 2015	10:00:00 PM	0
Sunday, November 22, 2015	11:00:00 PM	0.02
Monday, November 23, 2015	12:00:00 AM	0.02
Monday, November 23, 2015	1:00:00 AM	0
Monday, November 23, 2015	2:00:00 AM	0
Monday, November 23, 2015	3:00:00 AM	0
Monday, November 23, 2015	4:00:00 AM	0

Date	Time	Hourly RAIN (in)
Monday, November 23, 2015	5:00:00 AM	0
Monday, November 23, 2015	6:00:00 AM	0.01
Monday, November 23, 2015	7:00:00 AM	0
Monday, November 23, 2015	8:00:00 AM	0
Monday, November 23, 2015	9:00:00 AM	0
Monday, November 23, 2015	10:00:00 AM	0
Monday, November 23, 2015	11:00:00 AM	0
Monday, November 23, 2015	12:00:00 PM	0
Monday, November 23, 2015	1:00:00 PM	0
Monday, November 23, 2015	2:00:00 PM	0
Monday, November 23, 2015	3:00:00 PM	0
Monday, November 23, 2015	4:00:00 PM	0
Monday, November 23, 2015	5:00:00 PM	0
Monday, November 23, 2015	6:00:00 PM	0
Monday, November 23, 2015	7:00:00 PM	0
Monday, November 23, 2015	8:00:00 PM	0
Monday, November 23, 2015	9:00:00 PM	0
Monday, November 23, 2015	10:00:00 PM	0.47
Monday, November 23, 2015	11:00:00 PM	0.24
Tuesday, November 24, 2015	12:00:00 AM	0.03
Tuesday, November 24, 2015	1:00:00 AM	0
Tuesday, November 24, 2015	2:00:00 AM	0
Tuesday, November 24, 2015	3:00:00 AM	0
Tuesday, November 24, 2015	4:00:00 AM	0
Tuesday, November 24, 2015	5:00:00 AM	0
Tuesday, November 24, 2015	6:00:00 AM	0
Tuesday, November 24, 2015	7:00:00 AM	0
Tuesday, November 24, 2015	8:00:00 AM	0
Tuesday, November 24, 2015	9:00:00 AM	0
Tuesday, November 24, 2015	10:00:00 AM	0.01
Tuesday, November 24, 2015	11:00:00 AM	0
Tuesday, November 24, 2015	12:00:00 PM	0
Tuesday, November 24, 2015	1:00:00 PM	0
Tuesday, November 24, 2015	2:00:00 PM	0
Tuesday, November 24, 2015	3:00:00 PM	0
Tuesday, November 24, 2015	4:00:00 PM	0
Tuesday, November 24, 2015	5:00:00 PM	0
Tuesday, November 24, 2015	6:00:00 PM	0
Tuesday, November 24, 2015	7:00:00 PM	0
Tuesday, November 24, 2015	8:00:00 PM	0
Tuesday, November 24, 2015	9:00:00 PM	0

Date	Time	Hourly RAIN (in)
Tuesday, November 24, 2015	10:00:00 PM	0
Tuesday, November 24, 2015	11:00:00 PM	0
Wednesday, November 25, 2015	12:00:00 AM	0
Wednesday, November 25, 2015	1:00:00 AM	0
Wednesday, November 25, 2015	2:00:00 AM	0
Wednesday, November 25, 2015	3:00:00 AM	0
Wednesday, November 25, 2015	4:00:00 AM	0
Wednesday, November 25, 2015	5:00:00 AM	0
Wednesday, November 25, 2015	6:00:00 AM	0
Wednesday, November 25, 2015	7:00:00 AM	0
Wednesday, November 25, 2015	8:00:00 AM	0
Wednesday, November 25, 2015	9:00:00 AM	0
Wednesday, November 25, 2015	10:00:00 AM	0
Wednesday, November 25, 2015	11:00:00 AM	0
Wednesday, November 25, 2015	12:00:00 PM	0
Wednesday, November 25, 2015	1:00:00 PM	0
Wednesday, November 25, 2015	2:00:00 PM	0
Wednesday, November 25, 2015	3:00:00 PM	0
Wednesday, November 25, 2015	4:00:00 PM	0
Wednesday, November 25, 2015	5:00:00 PM	0
Wednesday, November 25, 2015	6:00:00 PM	0
Wednesday, November 25, 2015	7:00:00 PM	0
Wednesday, November 25, 2015	8:00:00 PM	0
Wednesday, November 25, 2015	9:00:00 PM	0
Wednesday, November 25, 2015	10:00:00 PM	0
Wednesday, November 25, 2015	11:00:00 PM	0
Thursday, November 26, 2015	12:00:00 AM	0
Thursday, November 26, 2015	1:00:00 AM	0
Thursday, November 26, 2015	2:00:00 AM	0
Thursday, November 26, 2015	3:00:00 AM	0
Thursday, November 26, 2015	4:00:00 AM	0
Thursday, November 26, 2015	5:00:00 AM	0
Thursday, November 26, 2015	6:00:00 AM	0
Thursday, November 26, 2015	7:00:00 AM	0
Thursday, November 26, 2015	8:00:00 AM	0
Thursday, November 26, 2015	9:00:00 AM	0
Thursday, November 26, 2015	10:00:00 AM	0
Thursday, November 26, 2015	11:00:00 AM	0
Thursday, November 26, 2015	12:00:00 PM	0
Thursday, November 26, 2015	1:00:00 PM	0
Thursday, November 26, 2015	2:00:00 PM	0

Date	Time	Hourly RAIN (in)
Thursday, November 26, 2015	3:00:00 PM	0
Thursday, November 26, 2015	4:00:00 PM	0
Thursday, November 26, 2015	5:00:00 PM	0
Thursday, November 26, 2015	6:00:00 PM	0
Thursday, November 26, 2015	7:00:00 PM	0
Thursday, November 26, 2015	8:00:00 PM	0
Thursday, November 26, 2015	9:00:00 PM	0
Thursday, November 26, 2015	10:00:00 PM	0
Thursday, November 26, 2015	11:00:00 PM	0
Friday, November 27, 2015	12:00:00 AM	0
Friday, November 27, 2015	1:00:00 AM	0
Friday, November 27, 2015	2:00:00 AM	0
Friday, November 27, 2015	3:00:00 AM	0
Friday, November 27, 2015	4:00:00 AM	0
Friday, November 27, 2015	5:00:00 AM	0
Friday, November 27, 2015	6:00:00 AM	0
Friday, November 27, 2015	7:00:00 AM	0
Friday, November 27, 2015	8:00:00 AM	0
Friday, November 27, 2015	9:00:00 AM	0
Friday, November 27, 2015	10:00:00 AM	0
Friday, November 27, 2015	11:00:00 AM	0
Friday, November 27, 2015	12:00:00 PM	0
Friday, November 27, 2015	1:00:00 PM	0
Friday, November 27, 2015	2:00:00 PM	0
Friday, November 27, 2015	3:00:00 PM	0
Friday, November 27, 2015	4:00:00 PM	0
Friday, November 27, 2015	5:00:00 PM	0
Friday, November 27, 2015	6:00:00 PM	0
Friday, November 27, 2015	7:00:00 PM	0
Friday, November 27, 2015	8:00:00 PM	0
Friday, November 27, 2015	9:00:00 PM	0
Friday, November 27, 2015	10:00:00 PM	0
Friday, November 27, 2015	11:00:00 PM	0
Saturday, November 28, 2015	12:00:00 AM	0
Saturday, November 28, 2015	1:00:00 AM	0
Saturday, November 28, 2015	2:00:00 AM	0
Saturday, November 28, 2015	3:00:00 AM	0
Saturday, November 28, 2015	4:00:00 AM	0
Saturday, November 28, 2015	5:00:00 AM	0
Saturday, November 28, 2015	6:00:00 AM	0
Saturday, November 28, 2015	7:00:00 AM	0

Date	Time	Hourly RAIN (in)
Saturday, November 28, 2015	8:00:00 AM	0
Saturday, November 28, 2015	9:00:00 AM	0
Saturday, November 28, 2015	10:00:00 AM	0
Saturday, November 28, 2015	11:00:00 AM	0
Saturday, November 28, 2015	12:00:00 PM	0
Saturday, November 28, 2015	1:00:00 PM	0
Saturday, November 28, 2015	2:00:00 PM	0
Saturday, November 28, 2015	3:00:00 PM	0
Saturday, November 28, 2015	4:00:00 PM	0
Saturday, November 28, 2015	5:00:00 PM	0
Saturday, November 28, 2015	6:00:00 PM	0.01
Saturday, November 28, 2015	7:00:00 PM	0
Saturday, November 28, 2015	8:00:00 PM	0
Saturday, November 28, 2015	9:00:00 PM	0
Saturday, November 28, 2015	10:00:00 PM	0.06
Saturday, November 28, 2015	11:00:00 PM	0.03
Sunday, November 29, 2015	12:00:00 AM	0.55
Sunday, November 29, 2015	1:00:00 AM	0.11
Sunday, November 29, 2015	2:00:00 AM	0.16
Sunday, November 29, 2015	3:00:00 AM	0.17
Sunday, November 29, 2015	4:00:00 AM	0.1
Sunday, November 29, 2015	5:00:00 AM	0.12
Sunday, November 29, 2015	6:00:00 AM	0.06
Sunday, November 29, 2015	7:00:00 AM	0.04
Sunday, November 29, 2015	8:00:00 AM	0.04
Sunday, November 29, 2015	9:00:00 AM	0.03
Sunday, November 29, 2015	10:00:00 AM	0
Sunday, November 29, 2015	11:00:00 AM	0.01
Sunday, November 29, 2015	12:00:00 PM	0
Sunday, November 29, 2015	1:00:00 PM	0
Sunday, November 29, 2015	2:00:00 PM	0
Sunday, November 29, 2015	3:00:00 PM	0
Sunday, November 29, 2015	4:00:00 PM	0
Sunday, November 29, 2015	5:00:00 PM	0
Sunday, November 29, 2015	6:00:00 PM	0
Sunday, November 29, 2015	7:00:00 PM	0
Sunday, November 29, 2015	8:00:00 PM	0
Sunday, November 29, 2015	9:00:00 PM	0
Sunday, November 29, 2015	10:00:00 PM	0
Sunday, November 29, 2015	11:00:00 PM	0
Monday, November 30, 2015	12:00:00 AM	0

Date	Time	Hourly RAIN (in)
Monday, November 30, 2015	1:00:00 AM	0
Monday, November 30, 2015	2:00:00 AM	0
Monday, November 30, 2015	3:00:00 AM	0
Monday, November 30, 2015	4:00:00 AM	0
Monday, November 30, 2015	5:00:00 AM	0
Monday, November 30, 2015	6:00:00 AM	0
Monday, November 30, 2015	7:00:00 AM	0
Monday, November 30, 2015	8:00:00 AM	0
Monday, November 30, 2015	9:00:00 AM	0

Date	Time	Hourly RAIN (in)
Tuesday, December 01, 2015		
Tuesday, December 01, 2015	1:00 AM	0
Tuesday, December 01, 2015	2:00 AM	0
Tuesday, December 01, 2015	3:00 AM	0
Tuesday, December 01, 2015	4:00 AM	0
Tuesday, December 01, 2015	5:00 AM	0
Tuesday, December 01, 2015	6:00 AM	0
Tuesday, December 01, 2015	7:00 AM	0
Tuesday, December 01, 2015	8:00 AM	0
Tuesday, December 01, 2015	9:00 AM	0
Tuesday, December 01, 2015	10:00 AM	0
Tuesday, December 01, 2015	11:00 AM	0
Tuesday, December 01, 2015	12:00 PM	0
Tuesday, December 01, 2015	1:00 PM	0
Tuesday, December 01, 2015	2:00 PM	0
Tuesday, December 01, 2015	3:00 PM	0
Tuesday, December 01, 2015	4:00 PM	0
Tuesday, December 01, 2015	5:00 PM	0
Tuesday, December 01, 2015	6:00 PM	0
Tuesday, December 01, 2015	7:00 PM	0
Tuesday, December 01, 2015	8:00 PM	0
Tuesday, December 01, 2015	9:00 PM	0
Tuesday, December 01, 2015	10:00 PM	0
Tuesday, December 01, 2015	11:00 PM	0
Wednesday, December 02, 2015	12:00 AM	0
Wednesday, December 02, 2015	1:00 AM	0
Wednesday, December 02, 2015	2:00 AM	0
Wednesday, December 02, 2015	3:00 AM	0
Wednesday, December 02, 2015	4:00 AM	0
Wednesday, December 02, 2015	5:00 AM	0
Wednesday, December 02, 2015	6:00 AM	0
Wednesday, December 02, 2015	7:00 AM	0
Wednesday, December 02, 2015	8:00 AM	0
Wednesday, December 02, 2015	9:00 AM	0
Wednesday, December 02, 2015	10:00 AM	0
Wednesday, December 02, 2015	11:00 AM	0
Wednesday, December 02, 2015	12:00 PM	0
Wednesday, December 02, 2015	1:00 PM	0
Wednesday, December 02, 2015	2:00 PM	0
Wednesday, December 02, 2015	3:00 PM	0
Wednesday, December 02, 2015	4:00 PM	0

Date	Time	Hourly RAIN (in)
Wednesday, December 02, 2015	5:00 PM	0
Wednesday, December 02, 2015	6:00 PM	0.01
Wednesday, December 02, 2015	7:00 PM	0
Wednesday, December 02, 2015	8:00 PM	0
Wednesday, December 02, 2015	9:00 PM	0.01
Wednesday, December 02, 2015	10:00 PM	0
Wednesday, December 02, 2015	11:00 PM	0
Thursday, December 03, 2015	12:00 AM	0
Thursday, December 03, 2015	1:00 AM	0
Thursday, December 03, 2015	2:00 AM	0
Thursday, December 03, 2015	3:00 AM	0
Thursday, December 03, 2015	4:00 AM	0
Thursday, December 03, 2015	5:00 AM	0
Thursday, December 03, 2015	6:00 AM	0.01
Thursday, December 03, 2015	7:00 AM	0.03
Thursday, December 03, 2015	8:00 AM	0
Thursday, December 03, 2015	9:00 AM	0
Thursday, December 03, 2015	10:00 AM	0
Thursday, December 03, 2015	11:00 AM	0
Thursday, December 03, 2015	12:00 PM	0.01
Thursday, December 03, 2015	1:00 PM	0
Thursday, December 03, 2015	2:00 PM	0
Thursday, December 03, 2015	3:00 PM	0
Thursday, December 03, 2015	4:00 PM	0
Thursday, December 03, 2015	5:00 PM	0
Thursday, December 03, 2015	6:00 PM	0
Thursday, December 03, 2015	7:00 PM	0
Thursday, December 03, 2015	8:00 PM	0
Thursday, December 03, 2015	9:00 PM	0
Thursday, December 03, 2015	10:00 PM	0
Thursday, December 03, 2015	11:00 PM	0
Friday, December 04, 2015	12:00 AM	0
Friday, December 04, 2015	1:00 AM	0
Friday, December 04, 2015	2:00 AM	0
Friday, December 04, 2015	3:00 AM	0
Friday, December 04, 2015	4:00 AM	0.01
Friday, December 04, 2015	5:00 AM	0
Friday, December 04, 2015	6:00 AM	0
Friday, December 04, 2015	7:00 AM	0.01
Friday, December 04, 2015	8:00 AM	0
Friday, December 04, 2015	9:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, December 04, 2015	10:00 AM	0
Friday, December 04, 2015	11:00 AM	0
Friday, December 04, 2015	12:00 PM	0
Friday, December 04, 2015	1:00 PM	0
Friday, December 04, 2015	2:00 PM	0
Friday, December 04, 2015	3:00 PM	0
Friday, December 04, 2015	4:00 PM	0
Friday, December 04, 2015	5:00 PM	0
Friday, December 04, 2015	6:00 PM	0
Friday, December 04, 2015	7:00 PM	0.05
Friday, December 04, 2015	8:00 PM	0.03
Friday, December 04, 2015	9:00 PM	0
Friday, December 04, 2015	10:00 PM	0
Friday, December 04, 2015	11:00 PM	0
Saturday, December 05, 2015	12:00 AM	0
Saturday, December 05, 2015	1:00 AM	0
Saturday, December 05, 2015	2:00 AM	0
Saturday, December 05, 2015	3:00 AM	0
Saturday, December 05, 2015	4:00 AM	0.02
Saturday, December 05, 2015	5:00 AM	0
Saturday, December 05, 2015	6:00 AM	0
Saturday, December 05, 2015	7:00 AM	0
Saturday, December 05, 2015	8:00 AM	0
Saturday, December 05, 2015	9:00 AM	0
Saturday, December 05, 2015	10:00 AM	0
Saturday, December 05, 2015	11:00 AM	0
Saturday, December 05, 2015	12:00 PM	0.01
Saturday, December 05, 2015	1:00 PM	0.01
Saturday, December 05, 2015	2:00 PM	0
Saturday, December 05, 2015	3:00 PM	0
Saturday, December 05, 2015	4:00 PM	0
Saturday, December 05, 2015	5:00 PM	0
Saturday, December 05, 2015	6:00 PM	0
Saturday, December 05, 2015	7:00 PM	0
Saturday, December 05, 2015	8:00 PM	0
Saturday, December 05, 2015	9:00 PM	0.01
Saturday, December 05, 2015	10:00 PM	0.01
Saturday, December 05, 2015	11:00 PM	0
Sunday, December 06, 2015	12:00 AM	0
Sunday, December 06, 2015	1:00 AM	0
Sunday, December 06, 2015	2:00 AM	0

Date	Time	Hourly RAIN (in)
Sunday, December 06, 2015	3:00 AM	0
Sunday, December 06, 2015	4:00 AM	0.01
Sunday, December 06, 2015	5:00 AM	0.01
Sunday, December 06, 2015	6:00 AM	0
Sunday, December 06, 2015	7:00 AM	0
Sunday, December 06, 2015	8:00 AM	0
Sunday, December 06, 2015	9:00 AM	0
Sunday, December 06, 2015	10:00 AM	0
Sunday, December 06, 2015	11:00 AM	0
Sunday, December 06, 2015	12:00 PM	0
Sunday, December 06, 2015	1:00 PM	0
Sunday, December 06, 2015	2:00 PM	0
Sunday, December 06, 2015	3:00 PM	0
Sunday, December 06, 2015	4:00 PM	0
Sunday, December 06, 2015	5:00 PM	0
Sunday, December 06, 2015	6:00 PM	0
Sunday, December 06, 2015	7:00 PM	0
Sunday, December 06, 2015	8:00 PM	0
Sunday, December 06, 2015	9:00 PM	0
Sunday, December 06, 2015	10:00 PM	0.04
Sunday, December 06, 2015	11:00 PM	0
Monday, December 07, 2015	12:00 AM	0
Monday, December 07, 2015	1:00 AM	0.25
Monday, December 07, 2015	2:00 AM	0.04
Monday, December 07, 2015	3:00 AM	0
Monday, December 07, 2015	4:00 AM	0
Monday, December 07, 2015	5:00 AM	0
Monday, December 07, 2015	6:00 AM	0
Monday, December 07, 2015	7:00 AM	0
Monday, December 07, 2015	8:00 AM	0
Monday, December 07, 2015	9:00 AM	0
Monday, December 07, 2015	10:00 AM	0
Monday, December 07, 2015	11:00 AM	0
Monday, December 07, 2015	12:00 PM	0
Monday, December 07, 2015	1:00 PM	0
Monday, December 07, 2015	2:00 PM	0
Monday, December 07, 2015	3:00 PM	0
Monday, December 07, 2015	4:00 PM	0
Monday, December 07, 2015	5:00 PM	0
Monday, December 07, 2015	6:00 PM	0
Monday, December 07, 2015	7:00 PM	0

Date	Time	Hourly RAIN (in)
Monday, December 07, 2015	8:00 PM	0.01
Monday, December 07, 2015	9:00 PM	0.03
Monday, December 07, 2015	10:00 PM	0
Monday, December 07, 2015	11:00 PM	0
Tuesday, December 08, 2015	12:00 AM	0
Tuesday, December 08, 2015	1:00 AM	0
Tuesday, December 08, 2015	2:00 AM	0
Tuesday, December 08, 2015	3:00 AM	0
Tuesday, December 08, 2015	4:00 AM	0
Tuesday, December 08, 2015	5:00 AM	0
Tuesday, December 08, 2015	6:00 AM	0
Tuesday, December 08, 2015	7:00 AM	0
Tuesday, December 08, 2015	8:00 AM	0.04
Tuesday, December 08, 2015	9:00 AM	0
Tuesday, December 08, 2015	10:00 AM	0
Tuesday, December 08, 2015	11:00 AM	0
Tuesday, December 08, 2015	12:00 PM	0
Tuesday, December 08, 2015	1:00 PM	0
Tuesday, December 08, 2015	2:00 PM	0
Tuesday, December 08, 2015	3:00 PM	0
Tuesday, December 08, 2015	4:00 PM	0
Tuesday, December 08, 2015	5:00 PM	0
Tuesday, December 08, 2015	6:00 PM	0
Tuesday, December 08, 2015	7:00 PM	0
Tuesday, December 08, 2015	8:00 PM	0
Tuesday, December 08, 2015	9:00 PM	0
Tuesday, December 08, 2015	10:00 PM	0
Tuesday, December 08, 2015	11:00 PM	0
Wednesday, December 09, 2015	12:00 AM	0
Wednesday, December 09, 2015	1:00 AM	0
Wednesday, December 09, 2015	2:00 AM	0
Wednesday, December 09, 2015	3:00 AM	0
Wednesday, December 09, 2015	4:00 AM	0
Wednesday, December 09, 2015	5:00 AM	0
Wednesday, December 09, 2015	6:00 AM	0
Wednesday, December 09, 2015	7:00 AM	0
Wednesday, December 09, 2015	8:00 AM	0
Wednesday, December 09, 2015	9:00 AM	0
Wednesday, December 09, 2015	10:00 AM	0
Wednesday, December 09, 2015	11:00 AM	0
Wednesday, December 09, 2015	12:00 PM	0

Date	Time	Hourly RAIN (in)
Wednesday, December 09, 2015	1:00 PM	0
Wednesday, December 09, 2015	2:00 PM	0
Wednesday, December 09, 2015	3:00 PM	0
Wednesday, December 09, 2015	4:00 PM	0
Wednesday, December 09, 2015	5:00 PM	0
Wednesday, December 09, 2015	6:00 PM	0
Wednesday, December 09, 2015	7:00 PM	0
Wednesday, December 09, 2015	8:00 PM	0
Wednesday, December 09, 2015	9:00 PM	0
Wednesday, December 09, 2015	10:00 PM	0
Wednesday, December 09, 2015	11:00 PM	0
Thursday, December 10, 2015	12:00 AM	0
Thursday, December 10, 2015	1:00 AM	0
Thursday, December 10, 2015	2:00 AM	0
Thursday, December 10, 2015	3:00 AM	0
Thursday, December 10, 2015	4:00 AM	0
Thursday, December 10, 2015	5:00 AM	0
Thursday, December 10, 2015	6:00 AM	0
Thursday, December 10, 2015	7:00 AM	0
Thursday, December 10, 2015	8:00 AM	0
Thursday, December 10, 2015	9:00 AM	0
Thursday, December 10, 2015	10:00 AM	0
Thursday, December 10, 2015	11:00 AM	0
Thursday, December 10, 2015	12:00 PM	0
Thursday, December 10, 2015	1:00 PM	0
Thursday, December 10, 2015	2:00 PM	0
Thursday, December 10, 2015	3:00 PM	0
Thursday, December 10, 2015	4:00 PM	0
Thursday, December 10, 2015	5:00 PM	0
Thursday, December 10, 2015	6:00 PM	0
Thursday, December 10, 2015	7:00 PM	0
Thursday, December 10, 2015	8:00 PM	0
Thursday, December 10, 2015	9:00 PM	0
Thursday, December 10, 2015	10:00 PM	0
Thursday, December 10, 2015	11:00 PM	0
Friday, December 11, 2015	12:00 AM	0
Friday, December 11, 2015	1:00 AM	0
Friday, December 11, 2015	2:00 AM	0
Friday, December 11, 2015	3:00 AM	0
Friday, December 11, 2015	4:00 AM	0
Friday, December 11, 2015	5:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, December 11, 2015	6:00 AM	0
Friday, December 11, 2015	7:00 AM	0
Friday, December 11, 2015	8:00 AM	0.06
Friday, December 11, 2015	9:00 AM	0
Friday, December 11, 2015	10:00 AM	0
Friday, December 11, 2015	11:00 AM	0
Friday, December 11, 2015	12:00 PM	0
Friday, December 11, 2015	1:00 PM	0
Friday, December 11, 2015	2:00 PM	0
Friday, December 11, 2015	3:00 PM	0
Friday, December 11, 2015	4:00 PM	0
Friday, December 11, 2015	5:00 PM	0
Friday, December 11, 2015	6:00 PM	0
Friday, December 11, 2015	7:00 PM	0
Friday, December 11, 2015	8:00 PM	0
Friday, December 11, 2015	9:00 PM	0
Friday, December 11, 2015	10:00 PM	0
Friday, December 11, 2015	11:00 PM	0
Saturday, December 12, 2015	12:00 AM	0
Saturday, December 12, 2015	1:00 AM	0
Saturday, December 12, 2015	2:00 AM	0
Saturday, December 12, 2015	3:00 AM	0
Saturday, December 12, 2015	4:00 AM	0
Saturday, December 12, 2015	5:00 AM	0
Saturday, December 12, 2015	6:00 AM	0
Saturday, December 12, 2015	7:00 AM	0
Saturday, December 12, 2015	8:00 AM	0
Saturday, December 12, 2015	9:00 AM	0
Saturday, December 12, 2015	10:00 AM	0
Saturday, December 12, 2015	11:00 AM	0
Saturday, December 12, 2015	12:00 PM	0
Saturday, December 12, 2015	1:00 PM	0
Saturday, December 12, 2015	2:00 PM	0
Saturday, December 12, 2015	3:00 PM	0
Saturday, December 12, 2015	4:00 PM	0
Saturday, December 12, 2015	5:00 PM	0
Saturday, December 12, 2015	6:00 PM	0
Saturday, December 12, 2015	7:00 PM	0
Saturday, December 12, 2015	8:00 PM	0
Saturday, December 12, 2015	9:00 PM	0
Saturday, December 12, 2015	10:00 PM	0

Date	Time	Hourly RAIN (in)
Saturday, December 12, 2015	11:00 PM	0
Sunday, December 13, 2015	12:00 AM	0
Sunday, December 13, 2015	1:00 AM	0
Sunday, December 13, 2015	2:00 AM	0
Sunday, December 13, 2015	3:00 AM	0
Sunday, December 13, 2015	4:00 AM	0
Sunday, December 13, 2015	5:00 AM	0.02
Sunday, December 13, 2015	6:00 AM	0.01
Sunday, December 13, 2015	7:00 AM	0
Sunday, December 13, 2015	8:00 AM	0
Sunday, December 13, 2015	9:00 AM	0
Sunday, December 13, 2015	10:00 AM	0
Sunday, December 13, 2015	11:00 AM	0
Sunday, December 13, 2015	12:00 PM	0
Sunday, December 13, 2015	1:00 PM	0
Sunday, December 13, 2015	2:00 PM	0
Sunday, December 13, 2015	3:00 PM	0
Sunday, December 13, 2015	4:00 PM	0
Sunday, December 13, 2015	5:00 PM	0
Sunday, December 13, 2015	6:00 PM	0
Sunday, December 13, 2015	7:00 PM	0
Sunday, December 13, 2015	8:00 PM	0
Sunday, December 13, 2015	9:00 PM	0
Sunday, December 13, 2015	10:00 PM	0
Sunday, December 13, 2015	11:00 PM	0
Monday, December 14, 2015	12:00 AM	0
Monday, December 14, 2015	1:00 AM	0
Monday, December 14, 2015	2:00 AM	0
Monday, December 14, 2015	3:00 AM	0
Monday, December 14, 2015	4:00 AM	0
Monday, December 14, 2015	5:00 AM	0
Monday, December 14, 2015	6:00 AM	0
Monday, December 14, 2015	7:00 AM	0
Monday, December 14, 2015	8:00 AM	0
Monday, December 14, 2015	9:00 AM	0
Monday, December 14, 2015	10:00 AM	0
Monday, December 14, 2015	11:00 AM	0
Monday, December 14, 2015	12:00 PM	0
Monday, December 14, 2015	1:00 PM	0
Monday, December 14, 2015	2:00 PM	0
Monday, December 14, 2015	3:00 PM	0

Date	Time	Hourly RAIN (in)
Monday, December 14, 2015	4:00 PM	0
Monday, December 14, 2015	5:00 PM	0
Monday, December 14, 2015	6:00 PM	0
Monday, December 14, 2015	7:00 PM	0
Monday, December 14, 2015	8:00 PM	0
Monday, December 14, 2015	9:00 PM	0
Monday, December 14, 2015	10:00 PM	0
Monday, December 14, 2015	11:00 PM	0
Tuesday, December 15, 2015	12:00 AM	0
Tuesday, December 15, 2015	1:00 AM	0
Tuesday, December 15, 2015	2:00 AM	0
Tuesday, December 15, 2015	3:00 AM	0
Tuesday, December 15, 2015	4:00 AM	0
Tuesday, December 15, 2015	5:00 AM	0
Tuesday, December 15, 2015	6:00 AM	0
Tuesday, December 15, 2015	7:00 AM	0
Tuesday, December 15, 2015	8:00 AM	0
Tuesday, December 15, 2015	9:00 AM	0
Tuesday, December 15, 2015	10:00 AM	0
Tuesday, December 15, 2015	11:00 AM	0
Tuesday, December 15, 2015	12:00 PM	0
Tuesday, December 15, 2015	1:00 PM	0
Tuesday, December 15, 2015	2:00 PM	0
Tuesday, December 15, 2015	3:00 PM	0
Tuesday, December 15, 2015	4:00 PM	0
Tuesday, December 15, 2015	5:00 PM	0
Tuesday, December 15, 2015	6:00 PM	0
Tuesday, December 15, 2015	7:00 PM	0
Tuesday, December 15, 2015	8:00 PM	0
Tuesday, December 15, 2015	9:00 PM	0
Tuesday, December 15, 2015	10:00 PM	0
Tuesday, December 15, 2015	11:00 PM	0
Wednesday, December 16, 2015	12:00 AM	0
Wednesday, December 16, 2015	1:00 AM	0
Wednesday, December 16, 2015	2:00 AM	0
Wednesday, December 16, 2015	3:00 AM	0
Wednesday, December 16, 2015	4:00 AM	0
Wednesday, December 16, 2015	5:00 AM	0
Wednesday, December 16, 2015	6:00 AM	0
Wednesday, December 16, 2015	7:00 AM	0.08
Wednesday, December 16, 2015	8:00 AM	0.19

Date	Time	Hourly RAIN (in)
Wednesday, December 16, 2015	9:00 AM	0
Wednesday, December 16, 2015	10:00 AM	0.01
Wednesday, December 16, 2015	11:00 AM	0
Wednesday, December 16, 2015	12:00 PM	0
Wednesday, December 16, 2015	1:00 PM	0
Wednesday, December 16, 2015	2:00 PM	0
Wednesday, December 16, 2015	3:00 PM	0
Wednesday, December 16, 2015	4:00 PM	0
Wednesday, December 16, 2015	5:00 PM	0
Wednesday, December 16, 2015	6:00 PM	0
Wednesday, December 16, 2015	7:00 PM	0
Wednesday, December 16, 2015	8:00 PM	0
Wednesday, December 16, 2015	9:00 PM	0
Wednesday, December 16, 2015	10:00 PM	0
Wednesday, December 16, 2015	11:00 PM	0
Thursday, December 17, 2015	12:00 AM	0
Thursday, December 17, 2015	1:00 AM	0
Thursday, December 17, 2015	2:00 AM	0
Thursday, December 17, 2015	3:00 AM	0
Thursday, December 17, 2015	4:00 AM	0
Thursday, December 17, 2015	5:00 AM	0
Thursday, December 17, 2015	6:00 AM	0
Thursday, December 17, 2015	7:00 AM	0
Thursday, December 17, 2015	8:00 AM	0
Thursday, December 17, 2015	9:00 AM	0
Thursday, December 17, 2015	10:00 AM	0
Thursday, December 17, 2015	11:00 AM	0
Thursday, December 17, 2015	12:00 PM	0
Thursday, December 17, 2015	1:00 PM	0
Thursday, December 17, 2015	2:00 PM	0
Thursday, December 17, 2015	3:00 PM	0
Thursday, December 17, 2015	4:00 PM	0
Thursday, December 17, 2015	5:00 PM	0
Thursday, December 17, 2015	6:00 PM	0
Thursday, December 17, 2015	7:00 PM	0
Thursday, December 17, 2015	8:00 PM	0.06
Thursday, December 17, 2015	9:00 PM	0.01
Thursday, December 17, 2015	10:00 PM	0
Thursday, December 17, 2015	11:00 PM	0
Friday, December 18, 2015	12:00 AM	0
Friday, December 18, 2015	1:00 AM	0

Date	Time	Hourly RAIN (in)
Friday, December 18, 2015	2:00 AM	0
Friday, December 18, 2015	3:00 AM	0
Friday, December 18, 2015	4:00 AM	0
Friday, December 18, 2015	5:00 AM	0
Friday, December 18, 2015	6:00 AM	0
Friday, December 18, 2015	7:00 AM	0
Friday, December 18, 2015	8:00 AM	0
Friday, December 18, 2015	9:00 AM	0
Friday, December 18, 2015	10:00 AM	0
Friday, December 18, 2015	11:00 AM	0
Friday, December 18, 2015	12:00 PM	0
Friday, December 18, 2015	1:00 PM	0
Friday, December 18, 2015	2:00 PM	0
Friday, December 18, 2015	3:00 PM	0
Friday, December 18, 2015	4:00 PM	0
Friday, December 18, 2015	5:00 PM	0.01
Friday, December 18, 2015	6:00 PM	0.15
Friday, December 18, 2015	7:00 PM	0.01
Friday, December 18, 2015	8:00 PM	0
Friday, December 18, 2015	9:00 PM	0
Friday, December 18, 2015	10:00 PM	0
Friday, December 18, 2015	11:00 PM	0
Saturday, December 19, 2015	12:00 AM	0
Saturday, December 19, 2015	1:00 AM	0
Saturday, December 19, 2015	2:00 AM	0
Saturday, December 19, 2015	3:00 AM	0
Saturday, December 19, 2015	4:00 AM	0
Saturday, December 19, 2015	5:00 AM	0
Saturday, December 19, 2015	6:00 AM	0
Saturday, December 19, 2015	7:00 AM	0.19
Saturday, December 19, 2015	8:00 AM	0.12
Saturday, December 19, 2015	9:00 AM	0
Saturday, December 19, 2015	10:00 AM	0
Saturday, December 19, 2015	11:00 AM	0
Saturday, December 19, 2015	12:00 PM	0
Saturday, December 19, 2015	1:00 PM	0
Saturday, December 19, 2015	2:00 PM	0
Saturday, December 19, 2015	3:00 PM	0
Saturday, December 19, 2015	4:00 PM	0
Saturday, December 19, 2015	5:00 PM	0
Saturday, December 19, 2015	6:00 PM	0

Date	Time	Hourly RAIN (in)
Saturday, December 19, 2015	7:00 PM	0
Saturday, December 19, 2015	8:00 PM	0
Saturday, December 19, 2015	9:00 PM	0
Saturday, December 19, 2015	10:00 PM	0
Saturday, December 19, 2015	11:00 PM	0
Sunday, December 20, 2015	12:00 AM	0
Sunday, December 20, 2015	1:00 AM	0.01
Sunday, December 20, 2015	2:00 AM	0.02
Sunday, December 20, 2015	3:00 AM	0
Sunday, December 20, 2015	4:00 AM	0.07
Sunday, December 20, 2015	5:00 AM	0
Sunday, December 20, 2015	6:00 AM	0
Sunday, December 20, 2015	7:00 AM	0
Sunday, December 20, 2015	8:00 AM	0
Sunday, December 20, 2015	9:00 AM	0.08
Sunday, December 20, 2015	10:00 AM	0
Sunday, December 20, 2015	11:00 AM	0
Sunday, December 20, 2015	12:00 PM	0
Sunday, December 20, 2015	1:00 PM	0
Sunday, December 20, 2015	2:00 PM	0
Sunday, December 20, 2015	3:00 PM	0
Sunday, December 20, 2015	4:00 PM	0
Sunday, December 20, 2015	5:00 PM	0
Sunday, December 20, 2015	6:00 PM	0
Sunday, December 20, 2015	7:00 PM	0
Sunday, December 20, 2015	8:00 PM	0
Sunday, December 20, 2015	9:00 PM	0
Sunday, December 20, 2015	10:00 PM	0
Sunday, December 20, 2015	11:00 PM	0
Monday, December 21, 2015	12:00 AM	0
Monday, December 21, 2015	1:00 AM	0
Monday, December 21, 2015	2:00 AM	0.01
Monday, December 21, 2015	3:00 AM	0
Monday, December 21, 2015	4:00 AM	0
Monday, December 21, 2015	5:00 AM	0
Monday, December 21, 2015	6:00 AM	0
Monday, December 21, 2015	7:00 AM	0
Monday, December 21, 2015	8:00 AM	0
Monday, December 21, 2015	9:00 AM	0
Monday, December 21, 2015	10:00 AM	0
Monday, December 21, 2015	11:00 AM	0

Date	Time	Hourly RAIN (in)
Monday, December 21, 2015	12:00 PM	0
Monday, December 21, 2015	1:00 PM	0
Monday, December 21, 2015	2:00 PM	0
Monday, December 21, 2015	3:00 PM	0
Monday, December 21, 2015	4:00 PM	0
Monday, December 21, 2015	5:00 PM	0
Monday, December 21, 2015	6:00 PM	0
Monday, December 21, 2015	7:00 PM	0
Monday, December 21, 2015	8:00 PM	0
Monday, December 21, 2015	9:00 PM	0
Monday, December 21, 2015	10:00 PM	0
Monday, December 21, 2015	11:00 PM	0
Tuesday, December 22, 2015	12:00 AM	0
Tuesday, December 22, 2015	1:00 AM	0
Tuesday, December 22, 2015	2:00 AM	0
Tuesday, December 22, 2015	3:00 AM	0
Tuesday, December 22, 2015	4:00 AM	0
Tuesday, December 22, 2015	5:00 AM	0
Tuesday, December 22, 2015	6:00 AM	0
Tuesday, December 22, 2015	7:00 AM	0
Tuesday, December 22, 2015	8:00 AM	0
Tuesday, December 22, 2015	9:00 AM	0
Tuesday, December 22, 2015	10:00 AM	0
Tuesday, December 22, 2015	11:00 AM	0
Tuesday, December 22, 2015	12:00 PM	0
Tuesday, December 22, 2015	1:00 PM	0
Tuesday, December 22, 2015	2:00 PM	0
Tuesday, December 22, 2015	3:00 PM	0
Tuesday, December 22, 2015	4:00 PM	0
Tuesday, December 22, 2015	5:00 PM	0
Tuesday, December 22, 2015	6:00 PM	0
Tuesday, December 22, 2015	7:00 PM	0
Tuesday, December 22, 2015	8:00 PM	0
Tuesday, December 22, 2015	9:00 PM	0
Tuesday, December 22, 2015	10:00 PM	0
Tuesday, December 22, 2015	11:00 PM	0.05
Wednesday, December 23, 2015	12:00 AM	0.19
Wednesday, December 23, 2015	1:00 AM	0
Wednesday, December 23, 2015	2:00 AM	0
Wednesday, December 23, 2015	3:00 AM	0
Wednesday, December 23, 2015	4:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, December 23, 2015	5:00 AM	0
Wednesday, December 23, 2015	6:00 AM	0
Wednesday, December 23, 2015	7:00 AM	0
Wednesday, December 23, 2015	8:00 AM	0.01
Wednesday, December 23, 2015	9:00 AM	0
Wednesday, December 23, 2015	10:00 AM	0
Wednesday, December 23, 2015	11:00 AM	0
Wednesday, December 23, 2015	12:00 PM	0
Wednesday, December 23, 2015	1:00 PM	0
Wednesday, December 23, 2015	2:00 PM	0
Wednesday, December 23, 2015	3:00 PM	0
Wednesday, December 23, 2015	4:00 PM	0
Wednesday, December 23, 2015	5:00 PM	0
Wednesday, December 23, 2015	6:00 PM	0
Wednesday, December 23, 2015	7:00 PM	0
Wednesday, December 23, 2015	8:00 PM	0
Wednesday, December 23, 2015	9:00 PM	0
Wednesday, December 23, 2015	10:00 PM	0
Wednesday, December 23, 2015	11:00 PM	0
Thursday, December 24, 2015	12:00 AM	0
Thursday, December 24, 2015	1:00 AM	0
Thursday, December 24, 2015	2:00 AM	0
Thursday, December 24, 2015	3:00 AM	0
Thursday, December 24, 2015	4:00 AM	0
Thursday, December 24, 2015	5:00 AM	0
Thursday, December 24, 2015	6:00 AM	0
Thursday, December 24, 2015	7:00 AM	0
Thursday, December 24, 2015	8:00 AM	0
Thursday, December 24, 2015	9:00 AM	0
Thursday, December 24, 2015	10:00 AM	0.03
Thursday, December 24, 2015	11:00 AM	0
Thursday, December 24, 2015	12:00 PM	0
Thursday, December 24, 2015	1:00 PM	0
Thursday, December 24, 2015	2:00 PM	0
Thursday, December 24, 2015	3:00 PM	0
Thursday, December 24, 2015	4:00 PM	0
Thursday, December 24, 2015	5:00 PM	0
Thursday, December 24, 2015	6:00 PM	0
Thursday, December 24, 2015	7:00 PM	0
Thursday, December 24, 2015	8:00 PM	0
Thursday, December 24, 2015	9:00 PM	0

Date	Time	Hourly RAIN (in)
Thursday, December 24, 2015	10:00 PM	0
Thursday, December 24, 2015	11:00 PM	0
Friday, December 25, 2015	12:00 AM	0
Friday, December 25, 2015	1:00 AM	0.01
Friday, December 25, 2015	2:00 AM	0
Friday, December 25, 2015	3:00 AM	0.03
Friday, December 25, 2015	4:00 AM	0
Friday, December 25, 2015	5:00 AM	0.03
Friday, December 25, 2015	6:00 AM	0
Friday, December 25, 2015	7:00 AM	0
Friday, December 25, 2015	8:00 AM	0
Friday, December 25, 2015	9:00 AM	0
Friday, December 25, 2015	10:00 AM	0
Friday, December 25, 2015	11:00 AM	0
Friday, December 25, 2015	12:00 PM	0
Friday, December 25, 2015	1:00 PM	0
Friday, December 25, 2015	2:00 PM	0
Friday, December 25, 2015	3:00 PM	0
Friday, December 25, 2015	4:00 PM	0
Friday, December 25, 2015	5:00 PM	0.01
Friday, December 25, 2015	6:00 PM	0
Friday, December 25, 2015	7:00 PM	0
Friday, December 25, 2015	8:00 PM	0
Friday, December 25, 2015	9:00 PM	0
Friday, December 25, 2015	10:00 PM	0
Friday, December 25, 2015	11:00 PM	0
Saturday, December 26, 2015	12:00 AM	0
Saturday, December 26, 2015	1:00 AM	0
Saturday, December 26, 2015	2:00 AM	0
Saturday, December 26, 2015	3:00 AM	0
Saturday, December 26, 2015	4:00 AM	0
Saturday, December 26, 2015	5:00 AM	0
Saturday, December 26, 2015	6:00 AM	0
Saturday, December 26, 2015	7:00 AM	0
Saturday, December 26, 2015	8:00 AM	0
Saturday, December 26, 2015	9:00 AM	0
Saturday, December 26, 2015	10:00 AM	0
Saturday, December 26, 2015	11:00 AM	0.07
Saturday, December 26, 2015	12:00 PM	0
Saturday, December 26, 2015	1:00 PM	0
Saturday, December 26, 2015	2:00 PM	0

Date	Time	Hourly RAIN (in)
Saturday, December 26, 2015	3:00 PM	0
Saturday, December 26, 2015	4:00 PM	0
Saturday, December 26, 2015	5:00 PM	0
Saturday, December 26, 2015	6:00 PM	0
Saturday, December 26, 2015	7:00 PM	0
Saturday, December 26, 2015	8:00 PM	0
Saturday, December 26, 2015	9:00 PM	0
Saturday, December 26, 2015	10:00 PM	0
Saturday, December 26, 2015	11:00 PM	0
Sunday, December 27, 2015	12:00 AM	0.02
Sunday, December 27, 2015	1:00 AM	0.02
Sunday, December 27, 2015	2:00 AM	0
Sunday, December 27, 2015	3:00 AM	0
Sunday, December 27, 2015	4:00 AM	0
Sunday, December 27, 2015	5:00 AM	0
Sunday, December 27, 2015	6:00 AM	0
Sunday, December 27, 2015	7:00 AM	0
Sunday, December 27, 2015	8:00 AM	0
Sunday, December 27, 2015	9:00 AM	0
Sunday, December 27, 2015	10:00 AM	0.01
Sunday, December 27, 2015	11:00 AM	0
Sunday, December 27, 2015	12:00 PM	0
Sunday, December 27, 2015	1:00 PM	0
Sunday, December 27, 2015	2:00 PM	0
Sunday, December 27, 2015	3:00 PM	0
Sunday, December 27, 2015	4:00 PM	0
Sunday, December 27, 2015	5:00 PM	0
Sunday, December 27, 2015	6:00 PM	0
Sunday, December 27, 2015	7:00 PM	0
Sunday, December 27, 2015	8:00 PM	0
Sunday, December 27, 2015	9:00 PM	0
Sunday, December 27, 2015	10:00 PM	0.02
Sunday, December 27, 2015	11:00 PM	0.03
Monday, December 28, 2015	12:00 AM	0.03
Monday, December 28, 2015	1:00 AM	0.18
Monday, December 28, 2015	2:00 AM	0.29
Monday, December 28, 2015	3:00 AM	0.08
Monday, December 28, 2015	4:00 AM	0
Monday, December 28, 2015	5:00 AM	0
Monday, December 28, 2015	6:00 AM	0
Monday, December 28, 2015	7:00 AM	0

Date	Time	Hourly RAIN (in)
Monday, December 28, 2015	8:00 AM	0
Monday, December 28, 2015	9:00 AM	0
Monday, December 28, 2015	10:00 AM	0
Monday, December 28, 2015	11:00 AM	0
Monday, December 28, 2015	12:00 PM	0
Monday, December 28, 2015	1:00 PM	0
Monday, December 28, 2015	2:00 PM	0
Monday, December 28, 2015	3:00 PM	0
Monday, December 28, 2015	4:00 PM	0
Monday, December 28, 2015	5:00 PM	0.01
Monday, December 28, 2015	6:00 PM	0
Monday, December 28, 2015	7:00 PM	0
Monday, December 28, 2015	8:00 PM	0.01
Monday, December 28, 2015	9:00 PM	0
Monday, December 28, 2015	10:00 PM	0
Monday, December 28, 2015	11:00 PM	0
Tuesday, December 29, 2015	12:00 AM	0.03
Tuesday, December 29, 2015	1:00 AM	0
Tuesday, December 29, 2015	2:00 AM	0.01
Tuesday, December 29, 2015	3:00 AM	0.01
Tuesday, December 29, 2015	4:00 AM	0.02
Tuesday, December 29, 2015	5:00 AM	0.01
Tuesday, December 29, 2015	6:00 AM	0
Tuesday, December 29, 2015	7:00 AM	0
Tuesday, December 29, 2015	8:00 AM	0
Tuesday, December 29, 2015	9:00 AM	0
Tuesday, December 29, 2015	10:00 AM	0
Tuesday, December 29, 2015	11:00 AM	0
Tuesday, December 29, 2015	12:00 PM	0
Tuesday, December 29, 2015	1:00 PM	0
Tuesday, December 29, 2015	2:00 PM	0
Tuesday, December 29, 2015	3:00 PM	0
Tuesday, December 29, 2015	4:00 PM	0
Tuesday, December 29, 2015	5:00 PM	0
Tuesday, December 29, 2015	6:00 PM	0
Tuesday, December 29, 2015	7:00 PM	0
Tuesday, December 29, 2015	8:00 PM	0
Tuesday, December 29, 2015	9:00 PM	0
Tuesday, December 29, 2015	10:00 PM	0
Tuesday, December 29, 2015	11:00 PM	0
Wednesday, December 30, 2015	12:00 AM	0

Date	Time	Hourly RAIN (in)
Wednesday, December 30, 2015	1:00 AM	0
Wednesday, December 30, 2015	2:00 AM	0
Wednesday, December 30, 2015	3:00 AM	0
Wednesday, December 30, 2015	4:00 AM	0
Wednesday, December 30, 2015	5:00 AM	0
Wednesday, December 30, 2015	6:00 AM	0
Wednesday, December 30, 2015	7:00 AM	0
Wednesday, December 30, 2015	8:00 AM	0
Wednesday, December 30, 2015	9:00 AM	0
Wednesday, December 30, 2015	10:00 AM	0
Wednesday, December 30, 2015	11:00 AM	0
Wednesday, December 30, 2015	12:00 PM	0
Wednesday, December 30, 2015	1:00 PM	0.01
Wednesday, December 30, 2015	2:00 PM	0
Wednesday, December 30, 2015	3:00 PM	0
Wednesday, December 30, 2015	4:00 PM	0
Wednesday, December 30, 2015	5:00 PM	0
Wednesday, December 30, 2015	6:00 PM	0
Wednesday, December 30, 2015	7:00 PM	0
Wednesday, December 30, 2015	8:00 PM	0
Wednesday, December 30, 2015	9:00 PM	0
Wednesday, December 30, 2015	10:00 PM	0.03
Wednesday, December 30, 2015	11:00 PM	0.03
Thursday, December 31, 2015	12:00 AM	0
Thursday, December 31, 2015	1:00 AM	0
Thursday, December 31, 2015	2:00 AM	0
Thursday, December 31, 2015	3:00 AM	0
Thursday, December 31, 2015	4:00 AM	0
Thursday, December 31, 2015	5:00 AM	0
Thursday, December 31, 2015	6:00 AM	0
Thursday, December 31, 2015	7:00 AM	0
Thursday, December 31, 2015	8:00 AM	0
Thursday, December 31, 2015	9:00 AM	0
Thursday, December 31, 2015	10:00 AM	0
Thursday, December 31, 2015	11:00 AM	0
Thursday, December 31, 2015	12:00 PM	0
Thursday, December 31, 2015	1:00 PM	0
Thursday, December 31, 2015	2:00 PM	0
Thursday, December 31, 2015	3:00 PM	0
Thursday, December 31, 2015	4:00 PM	0
Thursday, December 31, 2015	5:00 PM	0

Date	Time	Hourly RAIN (in)
Thursday, December 31, 2015	6:00 PM	0
Thursday, December 31, 2015	7:00 PM	0
Thursday, December 31, 2015	8:00 PM	0
Thursday, December 31, 2015	9:00 PM	0
Thursday, December 31, 2015	10:00 PM	0
Thursday, December 31, 2015	11:00 PM	0.01